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ABSTRACT

This report summarizes the results and presents statistical data (two-thirds of the report) of a 1988 followup national survey concerning the impact of different types of college environments on development of 1984 and 1986 freshmen. The survey involved the following general categories: satisfaction with college, talent development during college, involvement in the college experience, college expectations and outcomes, career plan changes, changes in life goals, attitudinal changes, and retention. Survey data showed that students change in a number of substantial ways after entering college; this being largely dependent on the type of institution the student attends and the student's characteristics at the time of entry. Among findings were the following: (1) students were most satisfied with the library facilities and courses in their major field of study, least satisfied with regulations governing campus life; (2) students reported most growth in general knowledge and especially in knowledge of a particular field, and least growth in their foreign language ability and in their religious beliefs and convictions; and (3) career fields showing the greatest gain in popularity during the college years were business and school teaching, with science-related careers showing the greatest decline. Appendices include the student survey instrument and the weighting methodology used in the statistical analysis. Contains 11 references. (GLR)

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National Norms for 1984 and 1986 College Freshmen

Alexander W. Astin
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by
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Higher Education Research Institute
Graduate School of Education
University of California, Los Angeles

August, 1990

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The American College Student, 1988

National Norms for 1984 and 1986 College Freshmen

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The American College Student: Two and Four Years After Entry

National Norms for 1984 and 1986 College Freshmen

The Cooperative Institutional Research Program (CIRP) is a longitudinal study of the impact of different types of college environments on the student's development. Since 1966 the entering freshman classes at a national representative sample of colleges and universities across the United States have been surveying their entering freshmen. In the early years of the CIRP longitudinal follow-ups were conducted at irregular intervals, depending upon funding. Beginning in 1982, CIRP has conducted annual follow-ups of entering classes from two and four years earlier. This report summarizes the results of the follow-up of the 1984 and 1986 college freshman carried out during the summer of 1988.

Following the input–environment–outcome (I–E–O) design (Astin, 1990), the freshman surveys collect input data and the follow-up surveys collect outcome and environmental data.

In this report we shall summarize the results of the 1988 follow-up survey separately in the following general categories: satisfaction with college, talent development during college, involvement in the college experience, college expectations and outcomes, career changes, changes in life goals, attitudinal changes, and retention.

Method

Since fiscal constraints precluded our following up all of the more than 500,000 freshmen who completed our entering surveys in the fall of 1984 and 1986, a sampling strategy had to be devised. Since we were concerned with achieving as much representativeness as possible, our strategy was to obtain, for each of the two cohorts, approximately 175 respondents in each of 23 stratification cells used in the freshman survey. It was also our intention to have these 175 students roughly equally divided between men and women. Based on patterns of response obtained in previous follow-up surveys, a sample size which would be expected to yield the desired number of men and women respondents in each stratification cell for each cohort was computed. A sample of this size was then randomly selected from the population of freshman survey respondents included in the national norms for 1984 and 1986 (see Appendix A of *The American Freshman, National Norms for 1984* for a detailed discussion of the freshman survey

methodology). Follow-up questionnaires were mailed to the students' home addresses in the summer of 1988. A second wave of questionnaires was sent to nonrespondents in the early fall. In addition, rosters of student names were also sent to the CIRP institutional representatives requesting the following information on each student: degree earned (if any), number of years completed, admission test scores (SAT or ACT), and whether or not the student was still enrolled. These "registrar's data" were used to correct for questionnaire nonresponse bias and to study retention. Results of these follow-up data collection procedures can be found in Appendix A, Tables A1–A7.

Response rates to the registrar's survey approached 53% for the 1984 cohort and 57% for the 1986 cohort. Responses to the mailed questionnaires ran substantially lower: 26% and 28% for the 1984 and 1986 cohorts, respectively. However, the unique characteristics of the CIRP survey make it possible to use sophisticated weighting procedures to correct for much of the potential nonresponse bias. Three sources of information are used in adjusting for these biases: the CIRP freshman survey data, the stratification cell of the student's institution, and registrar's data. It should be noted here that there is no within–institution bias in registrar's data, since each participating institution provides data on all students. Further, there are no measurable differences within stratification cells between institutions providing registrar's data and those failing to do so with respect to characteristics such as size, selectivity, expenditures, type, and control (see Astin, 1982). Thus, registrar's data appear to be provided on an unbiased subsample of the original follow-up sample.

The weighting procedures for the questionnaire data involved three stages. In the first stage, a series of regression analyses was carried out to remove any biases reflected in either the CIRP freshman survey data or the registrar's data. In effect, this procedure gives the greatest weight to those respondents who most resemble the non–respondents in terms of CIRP freshman and registrar's data. In the second stage, the weights obtained from the first stage were adjusted to equal the number of questionnaires mailed out within stratification cells. In the third stage, the weighted totals in each stratification cell were inflated to equal the total number of first time, full time freshmen entering colleges in that cell in either 1984 or 1986. A complete description of these weighting procedures is provided in Appendix A.

Weights for the registrar's data were computed in a similar fashion, except that the first step was skipped. Complete weighted tabulations of follow–up responses are provided for the 1984 and 1986 freshmen in the sections that follow. The selected findings discussed below are based on weighted data.

Satisfaction with College

Students' satisfaction with the undergraduate college experience is of considerable importance, not only to the students themselves, but also to those institutions that are concerned with being able to recruit future generations of students. Beyond this, satisfaction data can be of considerable potential value for program review and improvement.

The 1988 follow-up questionnaire included twenty–six satisfaction items that the student could respond to on a four–point scale: very satisfied, satisfied, neutral, and dissatisfied. There was also an additional option, "can't rate; no experience." For the purposes of this analysis, students choosing this last alternative were excluded. The remaining students' responses to the twenty–six items are shown in Table 1 for students at four–year colleges and universities. To simplify the presentation we are reporting only the percentage who answered "satisfied" and "very satisfied."

The greatest degree of satisfaction for both cohorts occurred with courses in the major field, with more than 80% of the students reporting that they were either very satisfied or satisfied. Other aspects of the college experience producing relatively high rates of student satisfaction include library facilities, opportunities for extracurricular activities, opportunities to discuss course work and assignments with professors outside of class, humanities courses, social science courses, opportunities to attend cultural events, and the overall quality of instruction. The "overall college experience" also produces high satisfaction rates, 77% and 75% respectively, in the 1986 and 1984 cohorts.

As found in previous follow-up surveys, the lowest rates of students satisfaction occur with individualized services such as academic advising, career counseling and advising, job placement services, and financial aid services. In the 1984 cohort, satisfaction rates are below 55% for all of these services. Other factors receiving low rates of satisfaction are regulations on campus life, and relevance of coursework to every day life.

While the relative ranking of the different satisfaction items was similar for both cohorts, there were some interesting discrepancies. Library facilities and computer facilities, for example, receive lower ratings after four years than they do after two years. This difference may well reflect the additional time that students have had to utilize these facilities. That is, the more opportunities students have to utilize the physical facilities of the campus, the more likely they are to find fault with these facilities.

Table 1
Student Satisfaction with the College Experience Two and Four Years After Entry

"Satisfied" or "Very Satisfied" in 1988 with:	Percent of Freshmen Entering in 1986	1984
Courses in your major field	83.5	81.0
Library facilities	77.4	69.9
Overall college experience	77.3	75.3
Opportunities for extracurricular activities	76.3	74.7
Opportunities to discuss coursework and assignments with professors outside of class	74.8	74.6
Humanities courses	74.2	75.1
Computer facilities	73.7	68.9
On–campus opportunities to attend films,concerts, etc.	73.2	72.2
Social science courses	73.0	69.9
Overall quality of instruction	72.8	71.5
Lab facilities and equipment	70.1	60.9
Science and mathematics courses	65.1	64.4
Tutorial help or other academic assistance	63.9	57.6
Campus social life	63.3	62.8
General education requirements	62.1	62.1
Overall relationships with faculty and administrators	59.4	61.0
Campus health services	59.2	54.5
Opportunity to take interdisciplinary courses	56.0	53.3
Amount of contact with faculty and administrators	57.7	60.5
Student housing	54.8	52.9
Academic advising	54.5	46.7
Career counseling and advising	53.0	46.8
Job placement services for students	53.0	46.0
Relevance of coursework to everyday life	52.8	50.1
Financial aid services	43.8	44.6
Regulations on campus life	42.4	41.4

NOTE: Results are tabulated for students at four–year colleges and universities. Students answering "can't rate, no experience" have been omitted from computations. Items are ranked according to percentages for the 1986 freshman cohort .

Does student satisfaction vary by type of institution? Table 2 shows the satisfaction rates for selected items from Table 1 separately for seven types of institutions. The fifteen items have been selected because they showed the largest differences between types of institutions.

Table 2
Institutional Differences in Selected Areas of Satisfaction After Four Years (1984 Freshmen Followed up in 1988)

"Satisfied" or "Very Satisfied" in 1988 With:	Universities		4-year Colleges				Public 2-year Colleges
				Private			
	Public	Private	Public	Nonsectarian	Roman Catholic	Protestant	
Amount of contact with faculty and administrators	47.9	64.6	60.0	67.3	74.0	80.5	62.9
Library facilities	84.3	71.1	66.2	58.5	55.3	63.5	80.3
Overall relationships with faculty and administrators	51.2	66.3	58.8	69.0	73.8	74.8	68.1
General education requirements	57.8	72.5	58.1	69.0	67.8	67.9	62.3
Opportunities to discuss course work and assignments with professors outside of class	66.7	78.8	72.2	85.2	83.0	82.9	69.0
Academic advising	38.8	41.2	46.7	54.3	61.2	57.9	50.0
Relevance of coursework to everyday life	44.7	57.1	45.4	58.2	61.0	60.0	56.3
Tutorial help or other academic assistance	46.9	55.2	59.3	64.9	67.7	67.5	63.8
Financial aid services	39.4	45.8	45.3	44.4	53.1	51.0	60.3
Overall quality of instruction	68.4	84.4	66.9	75.9	76.7	77.7	75.8
Laboratory facilities/equipment	65.0	67.6	59.1	56.1	59.6	56.2	72.7
Campus social life	74.4	58.9	56.4	57.9	57.9	64.2	68.8
Opportunities to take interdisciplinary courses	51.6	64.4	48.1	57.9	54.7	59.3	45.2
Opportunities to attend films, concerts, etc.	80.4	74.3	69.0	67.6	61.0	70.2	68.4
Overall college experience	75.8	84.1	72.5	74.6	78.6	75.4	78.6

NOTE: Items are on a four point scale: "very satisfied", "satisfied", "neutral", and "dissatisfied". Students answering "can't rate, no experience" were omitted from computations.

Perhaps the most unique pattern of results occurs with public universities. Compared to students at other types of institutions, those attending public universities are substantially more likely to be satisfied with library facilities, opportunities to take interdisciplinary courses, opportunities to attend cultural events, and campus social life. However, students at public universities are much *less* satisfied with their relationships with faculty and administrators,

opportunities to discuss coursework and assignments with professors outside of class, academic advising, tutorial help, and financial aid services.

In many respects this pattern is consistent with the stereotype of the large public university: it offers a wide variety of courses and cultural opportunities together with an active social life, but its students feel alienated from the faculty and administration and are relatively displeased with the individual services that they receive.

Interestingly enough, the private university produces a somewhat different pattern from the public university, in spite of its relatively large size and emphasis on research. General education requirements, for example, get the highest marks in private universities as does the overall quality of instruction and the overall college experience (both of these latter items producing 84% satisfaction). However, individualized services such as academic advising and tutorial help receive relatively low ratings at private universities.

Generally speaking, the satisfaction patterns for private four–year colleges do not vary much by control (nonsectarian, Roman Catholic, Protestant), but the results for private four–year colleges differ considerably from those at public four–year colleges. In particular, students at the public four–year colleges appear to be less satisfied with the amount of contact with faculty and administrators, general education requirements, opportunities to discuss coursework and assignments with professors, academic advising, and relevance of coursework to everyday life.

Some of the results for public two–year colleges are surprising, although it should be kept in mind that most of the students did not stay at the public two–year colleges that they entered in the fall of 1984 for more than one or two years. Thus, we are dealing with retrospective reports going back several years when it comes to respondents who initially enter public two–year colleges. Perhaps the biggest surprise is the relatively high ratings given to library facilities and laboratory facilities and equipment. It is well–known that community colleges generally lack the physical facilities that one finds in the larger public universities. Why should these facilities receive such a high rating from community college students? One possibility is the way that these facilities are run: If they are dedicated exclusively to the lower–division student (rather than to the upper–division or graduate student), perhaps students are more inclined to rate them favorably. Clearly this result merits further investigation. Community college students also gave relatively high marks to their financial aid services and, surprisingly, campus social life. Community college students seem to be most dissatisfied with opportunities to take interdisciplinary courses.

Talent Development During College

The 1988 follow-up survey contained a list of items which asked the students to report on their own "talent development," indicating how much their undergraduate experience had

contributed to their skills and competencies in a variety of areas. For each area of growth, students were asked, "compared with when you entered college as a freshman, how would you describe your...?" Five alternative responses were possible: much stronger, stronger, no change, weaker, and much weaker. To simplify the presentation of results, Table 3 shows the percentage of students reporting that a particular ability or talent was "much stronger" than when they first entered college in 1984 or 1986. As would be expected, students uniformly report more growth or improvement after four years than after two years. (This finding also suggests that there is some basis in fact to the students' self–reports.) The largest absolute differences between the two and four–year results occur with "knowledge of a particular field" and "job–related skills." Again,

Table 3
Self–Reported Growth in Academic and Personal Areas at Four–Year Institutions

	Percent Reporting "Much Stronger" in 1988	
Area of Growth	1984 Freshmen	1986 Freshmen
Knowledge of a particular field	62.8	41.7
General knowledge	49.9	32.9
Motivation to earn a degree	40.4	34.9
Job–related skills	35.5	18.1
Critical thinking ability	34.4	22.1
Commitment to a specific career	34.0	26.3
Concern about financial security	31.4	29.8
Problem–solving skills	31.4	17.1
Ability to work independently	31.3	24.6
Interest in graduate and professional school	28.6	26.1
Cultural awareness	28.5	22.7
Interpersonal skills	28.4	17.7
Speaking and writing ability	26.7	16.4
Confidence in academic abilities	24.6	15.6
Tolerance of different beliefs	23.8	20.1
Acceptance of different races, cultures	23.6	19.6
Leadership abilities	23.6	13.4
Religious beliefs and convictions	8.3	7.5
Foreign language ability	7.8	7.8

NOTE: Items ranked according to percentages in population surveyed four years after college entry.

these results make sense, since the first two undergraduate years are typically devoted to general education while specialization in a major field and more specialized courses relating to employment are concentrated in the third and fourth undergraduate years. It is also noteworthy that "general knowledge" produced a large discrepancy between the two and four–year samples.

In the four–year longitudinal sample (1984–88), by far the most growth was reported in "knowledge of a particular field." Next in line is general knowledge, followed by motivation to earn a degree, job–related skills, commitment to a specific career, and critical thinking ability. By far the least growth for both cohorts occurred in "foreign language ability" and "religious beliefs and convictions." This latter finding is consistent with previous research on college impact (Astin, 1977; Feldman & Newcomb, 1969), which shows that church attendance and even commitment to a specific religion tend to decline during the undergraduate years. The fact that foreign language ability shows so little growth during the undergraduate years is a possible cause for concern. The most recent survey of entering freshmen (Astin, Korn, & Berz, 1990) shows that students' need for remediation in foreign language has been growing as of late. Taken together, these two findings suggest that foreign language education in our colleges and universities may be in serious need of reform.

How do students perform academically during the undergraduate years? Table 4 compares the high school and college grades of 1984 and 1986 freshmen. As would be expected, the students' college grades are slightly higher after four years than after two years. This discrepancy no doubt reflects the fact that most colleges give somewhat higher grades in upper–division courses, in part because the students with the poorest academic performance are most likely to drop out before they reach the junior or senior years.

Table 4
A Comparison of High School and College Grades

	1986 Freshmen		1984 Freshmen	
Average Grade	High School	After Two Years of College*	High School	After Four Years of College*
A or A+	14.0	5.0	12.4	5.8
B+ or A-	34.6	20.4	34.8	22.8
B	24.2	31.6	23.7	36.1
C+ or B-	21.8	24.9	23.9	24.7
C or less	5.4	18.1	5.3	10.5

*Includes grades of those who dropped out before two and four years.

Table 4 shows much greater discrepancies within both cohorts between high school and college grades. During their first two years in college, most students must look forward to getting somewhat lower grades than they were used to receiving in high school. Indeed, fewer than half as many students get "A" grades in college than in high school, and more than three times as many students will get an average grade of "C" or below during the first two years of college than they did in high school. Grades improve somewhat, as already indicated, during the last two undergraduate years, but the percentage of "C" averages is still twice as great after four years of college than in high school.

How do grades compare across different types of institutions? Table 5 shows the percentages of students earning grades of "B+" during college, separately by type of institution. By far the highest grades are awarded in private universities, with the community colleges and public four–year colleges awarding the lowest grades. This pattern, which has been reported in many previous studies (including Hurtado, Astin, Korn, & Dey, 1989), is no doubt caused in part by differences in the selectivity of different types of institutions. That is, the most selective institutions (the private universities) tend to give the highest grades, while the least selective (public two–year and four–year colleges) give the lowest grades. Assuming that the absolute level of student performance in college is related to their level of competence at the point of entry to college, it would appear that there is a tendency toward "absolute" grading standards in American higher education. In other words, a grade of "A" or a grade of "C" may be more comparable from college to college than is commonly assumed. The problem, of course, is that not all colleges follow this pattern, so that in any individual case the grades awarded by a particular college may not actually conform to its level of selectivity.

Table 5
Percentage of Students Earning Average Undergraduate Grades of B+ or Better

			4–year Colleges				
	Universities			Private			Public
Surveyed After:	Public	Private	Public	Nonsectarian	Roman Catholic	Protestant	2-year Colleges
Two Years (1986–88)	27.8	37.3	19.8	24.7	26.4	28.6	21.7
Four Years (1984–88)	26.5	40.3	26.1	29.3	37.0	29.3	20.3

Involvement in the College Experience

Student involvement, which refers to the amount of physical and psychological energy that the student devotes to the academic experience (Astin, 1985), has been receiving increasing

attention in the research literature in higher education. The theory maintains that the development of student talent is a direct function of the amount of time and effort students devote to the academic experience. The follow–up survey contains two sets of items that relate to the quality and quantity of student involvement: a list of specific activities and a time diary indicating how much time students devote each week to various activities.

Table 6 shows the percentage of students engaging in each of several specific types of activities, separately by type of institution. Two lists are included: activities engaged in "since entering college" and those engaged in "during the past year" (1987–88). To minimize the number of students who were not enrolled in college during the previous year, the data are reported only for the 1986 freshmen.

By far the most frequently–reported activity engaged in since entering college is working at a part–time job off campus. Next in frequency is part–time employment on the campus, followed by receiving vocational counseling, failing one or more courses, intercollegiate sports and enrollment in honors programs. The least frequently reported activities are being elected to a student office, participating in campus demonstrations, and participating in a professor's research project. By far the most frequently reported activity during the past year is confiding in a friend about a problem followed by working on a group project in class. The least frequently reported activity during the past year is assisting faculty in teaching.

Table 6 shows dramatic differences in the frequency and type of student involvement by type of institution. Generally speaking, student involvement tends to be lower at public institutions of all types than at private institutions. Thus, students at private institutions are more likely to participate in intercollegiate sports, be elected to a student office, enroll in an honors program, be guests in a professor's home, and have a part–time job on campus than are students at public institutions, who are more likely to work at off–campus jobs. Students attending public institutions are also more likely to report failing a course during their undergraduate years. Students attending community colleges are more likely to work at an off–campus job and less likely to join fraternities or sororities or participate in campus demonstrations than are students at any other type of institution. Students attending public universities, on the other hand, are more likely than students at any other type of institution to join a fraternity or sorority and least likely to be elected to a student office, be a guest in a professor's home, or participate in an independent research project. The frequent involvement of students at public universities in fraternities and sororities may help to explain why this type of institution gets relatively high marks on "social life" (see Table 1).

Table 6
Percentage of Students Involved in Various Activities During the First Two Years of College

Activities	Universities		4-year Colleges				Public 2year Colleges
				Private			
	Public	Private	Public	Nonsectarian	Roman Catholic	Protestant	
Since entering college (1986–88)							
Enrolled in honors program	24.9	32.6	22.6	34.8	26.8	26.5	18.7
Failed a course	34.5	20.0	42.7	27.7	19.4	30.0	33.5
Worked part–time off campus	50.3	41.9	54.2	41.3	59.6	46.5	65.5
Worked part–time on campus	35.4	46.4	30.5	51.4	59.9	48.2	27.2
Participated in a campus demonstration	13.5	14.7	15.0	23.0	9.4	13.6	5.2
Joined a fraternity/sorority	28.2	25.0	20.6	21.4	12.6	27.6	7.2
Participated in a professor's research project	9.4	11.6	10.9	12.2	11.3	8.5	10.5
Intercollegiate sports	21.9	24.8	27.2	34.6	34.1	34.7	20.3
Elected to student office	9.8	16.8	14.3	18.9	16.6	20.7	15.1
During past year (1987–88)							
Guest in professor's home	12.2	22.2	13.7	36.1	20.5	41.6	14.4
Independent research project	32.7	36.4	44.3	54.3	47.9	43.4	45.3
Intramural sports	50.2	57.4	45.5	47.3	52.1	51.4	40.4
Cheated on a quiz or exam	20.9	14.1	21.8	18.1	20.3	10.3	18.1
Copied homework from from another student	34.4	34.1	33.2	28.6	33.9	30.5	33.8

Some of the differences between public and private institutions may well be attributable to the well–known differences in size between these two types of institutions. For example, students at all three types of private colleges -- nonsectarian, Roman Catholic, and Protestant -- are more likely to participate in intercollegiate sports and to be elected to a student office. Both of these forms of involvement are probably more unlikely at a large institution, where the sheer number of students available to participate in such activities is much larger.

In short, these findings suggest that public institutions of all types face a real challenge in trying to devise ways to involve their undergraduates more actively in campus life and in the academic experience. Hours per week spent by students in various activities are shown in Table 7. Students apparently spend more time socializing with friends and studying during the undergraduate years than in any other type of activity. Students also spend substantial amounts of time watching television, commuting, and using a personal computer.

Table 7
Hours per Week Spent by Students in Various Activities (1986 Freshmen Followed up in 1988)

				4 Year Colleges				
		Universities			Private			Public
Activities	Hours per week	Public	Private	Public	Nonsectarian	Roman Catholic	Protestant	2-Year Colleges
Studying	6 or more	77.1	86.2	67.7	78.1	73.2	76.5	70.5
	16 or more	25.0	37.3	21.0	26.1	22.9	23.9	18.8
Socializing with friends	6 or more	83.4	87.1	72.9	79.6	76.0	84.1	66.8
Talking with faculty outside of class	None	15.2	11.7	11.7	4.4	6.4	5.1	9.7
	6 or more	0.9	0.9	1.9	2.9	2.8	2.2	2.5
Volunteer work	None	70.9	57.5	71.1	61.3	56.9	66.2	73.0
Using a personal computer	None	42.7	33.9	43.2	40.4	36.3	36.9	43.8
Student clubs & groups	None	47.1	36.8	47.8	34.9	33.8	40.2	59.3
Commuting	6 or more	8.2	7.4	9.1	4.3	5.2	6.2	17.9
Watching TV	6 or more	29.6	20.7	30.9	21.9	20.5	24.9	28.3

Table 7 shows some interesting differences by type of institution. Students at private universities, for example, spend considerably more time studying than students in other types of institutions. The least amount of time spent studying occurs in public four-year colleges and community colleges. Students at all three types of public institutions—universities, four-year colleges, and community colleges—spend more time commuting and watching TV and less time in

student clubs and groups, in volunteer work, and in talking with faculty outside of class than students at private institutions. Again, these results reinforce the idea that students are less involved in public than in private institutions.

College Expectations and Outcomes

How closely do students' actual experiences in college confirm their initial expectations at the time of college entry? To explore this question we have compared the students' expectations as entering freshmen in 1984 with what they reported on the 1988 follow–up questionnaire. Table 8 shows the results. The first column of figures shows the percentages of students who, at the time they were entering freshmen, indicated that there was a "very good chance" that a particular outcome would occur while they were in college. The second column shows the percent who actually did report the particular outcome in the 1988 follow–up survey. Without exception, students' actual experiences exceed their expectations. Some of the largest discrepancies between expectations and outcomes occur with respect to changing major fields and careers: three times as many students actually change their majors and careers during college than expected to do so at the time of initial entry. Even greater discrepancies occur with respect to receiving vocational counseling, where *seven* times as many students actually receive vocational counseling as expect to receive it at the time they enter college. This latter finding may well relate to the preceding one: students who find themselves dissatisfied with their majors or career choices may well seek counseling in order to select a more appropriate choice.

The largest single discrepancy between expected and actual outcomes occurs with respect to failing one or more courses: fully 43% of the students actually report failing a course during their undergraduate years, compared to only 1.4% who said at the time they entered college that there was a very good chance that this would happen during the undergraduate years. Here we have a ratio of fully *thirty* to one between actual and expected outcomes. No doubt this discrepancy reflects in part the substantial drop between high school and college grades (see Table 4).

Outcomes that show the smallest discrepancies between the expectations and actual outcomes tend to be those things over which students can exercise the most direct control: joining a social fraternity or sorority and marrying while in college. Before leaving Table 8 we should inject a note of caution about interpretation of the "discrepancies" between actual and expected outcomes. The freshman question asking students to estimate their chances of certain outcomes had four alternatives: very good chance, some chance, little chance, and no chance. If we had instead reported the percentage of students who reported "very good" and "some" chance, the discrepancies would obviously be much smaller and, in some cases, might disappear altogether.

Table 8
Expectations and Outcomes, 1984–1988 (Weighted National Percentages)

Outcome	Very good chance of occurring during college (1984 freshmen survey)	Actually did occur (1988 follow-up survey)
Be satisfied with freshman college	55.7	75.3
Join a social fraternity or sorority	20.8	27.5
Work at an outside job	20.5	66.3[a]
Play varsity athletics	16.0	27.9[b]
Change major field	15.8	50.4
Change career choice	15.2	49.9
Transfer to another college	9.3	19.5
Receive vocational counseling	6.3	44.1
Marry while in college	4.4	7.1
Receive personal counseling	3.8	15.4
Participate in student protests	3.6	15.9
Be elected to a student office	3.5	20.4
Work full–time while attending college	2.2	20.3
Fail one or more courses	1.4	43.0
Drop out temporarily	.8	7.2
Drop out permanently	.3	9.8

[a] Worked a part–time job off campus
[b] Played intercollegiate athletics

Career Changes

Given the large percentages of students who change their career plans during the undergraduate years (Table 8), it is of some interest to know just how these changes have affected the distribution of career choices between 1984 and 1988. Table 9 shows these distributions for those career choices which showed the greatest decrease or increase in popularity during the four years. Clearly, the principal beneficiary of the frequent career changes experienced by students

during the undergraduate years is the field of business which showed an aggregate net gain of 8.2 percentage points (6.0 percent for management plus 2.2 percent for sales) between 1984 and 1988. This is a relative gain of more than seventy percent. Considering that business was the most popular career to begin with, this is indeed a substantial gain. Similar findings have been reported in literally dozens of studies during the past several decades. In all likelihood, one of the reasons why business is a net gainer of such magnitude during the undergraduate years is that it is a "receptive" field to students who drop out of other fields. By "receptive" we mean that business does not normally have a large number of prerequisites for upper division courses and readily accepts coursework from other fields.

The other principal fields showing substantial net gains during the undergraduate years are teaching careers at all levels (secondary, elementary, and college). These three teaching careers show a net gain of 5.3 percentage points, nearly doubling their popularity between the freshman and senior years. Considering the substantial shortage of teachers at the precollegiate level and the forthcoming shortage of college teachers, these trends are indeed reassuring.

The fields showing the next–highest absolute gains are also in the human service domain: social worker and clinical psychologist. Both of these fields showed a 100% relative gain between 1984 and 1988. Results are less reassuring when it comes to the career of nurse. Despite the increasing shortage of nurses and the declining student interest in nursing careers as expressed by college freshmen (Green, 1987), the field of nursing shows a net loss of nearly 25% between 1984 and 1988.

Except for "undecided" (which showed the largest drop between 1984 and 1988), the fields showing the largest net losses of students are all science–related: computer programmer, physician, and engineer. In relative terms, engineering loses about a third of its students and medicine fully 60% of its students during the undergraduate years.

Given the continuing shortage of trained scientists and engineers and given the fact that freshman interest in science majors is at or near its all–time low (Astin, Korn, & Berz, 1990), it is of some interest to explore in greater detail how students' interest in science–related majors changes during the undergraduate years. Table 10 shows the results for all science–related major fields of study. Note that each of the five categories of majors shows a net decline during the undergraduate years, resulting in an overall change of –12.2 percentage points or a one–third loss between 1984 and 1988. By far the largest absolute change occurs in biological science fields, a result which is no doubt attributable in part to the very large loss of students aspiring to medical careers (Table 9). The smallest net losses occur in physical science fields and "other technical" fields.

Table 9
Careers Showing the Largest Absolute Changes in Popularity, 1984–1988 (Weighted National Norms)

Career	Percent Choosing in 1984 (freshman)	1988 (follow-up)	Net Change 1984–1988
Business (management)	11.2	17.2	+6.0
Business (sales)	1.1	3.3	+2.2
Teacher (secondary)	2.3	4.4	+2.1
Teacher (elementary)	3.5	5.5	+2.0
College teacher	.2	1.4	+1.2
Social worker	1.2	2.4	+1.2
Clinical psychologist	.9	1.9	+1.0
Writer or journalist	2.4	3.3	+.9
Business (owner)	2.9	3.8	+.9
Nurse	4.0	3.1	-.9
Accountant	7.1	6.0	-1.1
Lawyer	5.1	3.9	-1.2
Computer programmer	5.6	3.7	-1.9
Physician	4.5	1.7	-2.8
Engineer	10.2	6.9	-3.3
Undecided	12.0	4.6	-7.4

These results are not reassuring to those who are concerned about producing adequate supplies of persons trained in fields of science and technology. In this connection, the Higher Education Research Institute has recently received a grant from the National Science Foundation to fund research into factors during the undergraduate years that affect a student's motivation to pursue a science–related career. This project, which is scheduled for completion by late 1991, will hopefully inform undergraduate institutions and funding agencies about programs and policies that will stem the substantial decline of student interest in science during the undergraduate years.

Table 10
Changes in Science and Technology Majors, 1984–1988 (Weighted National Norms)

Major Field	Percent Choosing in 1984 (freshman)	1988 (follow-up)	Net Change 1984–1988
Biological Science[a]	8.8	4.3	-4.5
Physical Science[b]	7.2	6.6	-.6
Engineering	10.7	7.3	-3.4
Allied Health[c]	8.3	5.2	-3.1
Other Technical[d]	2.1	1.5	-.6
Totals	37.1	24.9	-12.2

[a] Including premedical, predental, and preveterinary.
[b] Including math, statistics, and computer science.
[c] Comprises nursing, pharmacy, therapy, and health technology.
[d] Comprises electronics and data processing.

Changes in Life Goals

Every freshman survey since 1966 has included a list of "life goals" which attempt to identify some of the students' life priorities and objectives. Each personal goal or objective can be responded to in one of four ways: essential, very important, somewhat important, and not important. Table 11 shows the percentages rating each goal as either "essential" or "very important" in 1984 and 1988. The first thing to note from Table 11 is that life goals tend to decline in popularity more than they increase in popularity. In other words, freshmen endorse a much wider range of life goals when they enter college than they do when they finish college four years later. Nevertheless, there are some goals which show small increases in popularity during the undergraduate years: influencing social values, creating artistic work, having administrative responsibility for the work of others, writing original works, and becoming involved in programs to clean up the environment. The small increases for writing and artistic work are consistent with earlier research on college impact (Astin, 1977; Feldman & Newcomb, 1969), which shows that students' artistic interests tend to grow somewhat stronger during the undergraduate years.

Table 11
Ranking of Importance of Personal Goals and Objectives Four Years After College Entry

Personal Objective	Percentage of Students Reporting Very Important" or "Essential" in: 1984	1988	Change 1984-88
Raising a family	69.0	67.3	-1.7
Becoming an authority in my field	75.7	66.5	-9.2
Helping others who are in difficulty	64.5	61.0	-3.5
Being very well off financially	70.1	60.9	-9.2
Obtaining recognition from colleagues for contributions to my special field	58.5	51.5	-7.0
Developing a meaningful philosophy of life	48.5	48.0	-.5
Having administrative responsibility for the work of others	43.7	45.3	+1.6
Influencing social values	35.0	38.3	+3.3
Being successful in a business of my own	51.5	38.2	-13.3
Helping to promote racial understanding	33.9	31.5	-2.4
Participating in a community action program	25.9	22.2	-3.7
Becoming involved in programs to clean up the environment	19.4	20.4	+1.0
Influencing the political structure	17.5	16.6	-.9
Writing original works	12.6	14.0	+1.4
Creating artistic work	10.7	12.4	+1.7
Making a theoretical contribution to science	15.2	11.1	-4.1
Achieving in the performing arts	14.2	8.0	-6.2

NOTE: Items ranked according to percentages in the college population rating them "very important" or "essential" four years after entering college.

The life goals showing the largest net declines in popularity during the undergraduate years have to do with money and power: being successful in a business, being very well off financially, becoming an authority, and obtaining recognition. Again, these results confirm earlier research on college impact showing that students' materialistic and status needs tend to decline during the undergraduate years (Astin, 1977).

These last findings would seem to be inconsistent with the findings on students' career choices, which showed a substantial *increase* in the numbers of students pursuing careers in business. This apparent contradiction raises some interesting questions for research and policy: Are students opting for business careers simply because business and industry is where the jobs are? Are some students changing into business fields because they are perceived to be "easier" academically? Are there large numbers of students preparing to enter business careers whose values are really unsuited to such careers? Is there a better "fit" between students' career plans and values as freshmen than as seniors?

Attitudinal Change

The 1984 freshman and 1988 follow–up study included ten common attitudinal questions answered on a four point scale: agree strongly, agree somewhat, disagree somewhat, and disagree strongly. Table 12 shows the percentage of students agreeing somewhat or strongly with each item in 1984 and in 1988. Items are arranged in order of the amount of change that they showed over the four–year period. The item showing by far the largest positive change was "faculty promotion should be based in part on student evaluations." Apparently, the experience of attending college serves to strengthen students' beliefs that they should participate in the formal evaluation of faculty performance. The other items showing increased student endorsement during the undergraduate years have to do with "liberal" social policies and behaviors: a national health care plan, legalized abortion, sex outside of marriage and the legalization of marijuana. Although this last item showed an increase of less than one percent, it should be noted that agreement with this question declined sharply among freshmen between 1984 and 1988 (Astin, Green, Korn, & Schalit, 1989). Three of the four items showing declining student support are concerned with "conservative" viewpoints: confining the activities of married women to the home and family, increased military spending, and laws against homosexual relationships. The only question not following the trend of increasing liberalism and declining conservatism concerns school busing: student support for busing as a means for achieving racial balance in the schools declined by nearly 10 points between 1984 and 1988. This comes as a somewhat unexpected finding, given that support for school busing has been steadily increasing among consecutive classes of college freshmen (Astin, Green, Korn, & Schalit, 1989).

Table 12
Changes in Attitudes, 1984–1988 (Weighted National Percentages)

Attitudinal Statement	Percent Agreeing in 1984	1988	Change 1984–88
Faculty promotions should be based in part on student evaluations	70.7	84.7	+14.0
A national health care plan is needed to cover everybody's health care costs	58.5	66.9	+8.4
Abortion should be legalized	55.7	62.2	+6.5
If two people really like each other, it's all right for them to have sex even if they've known each other for only a very short time	45.3	50.7	+5.4
A couple should live together for some time before deciding to get married	44.2	48.0	+3.8
Marijuana should be legalized	21.9	22.3	+.4
The activities of married women are best confined to the home and family	18.7	14.1	–4.6
Federal military spending should be increased	29.0	21.1	–7.9
Busing is OK if it helps to achieve racial balance in the schools	51.4	41.9	–9.5
It is important to have laws prohibiting homosexual relationships	41.2	30.3	–10.9

This trend toward more liberal political and social views is consistent with a large body of previous research on the impact of college on students (Astin, 1977; Feldman & Newcomb, 1969). That similar changes continue to occur in the current generation of college students is especially interesting, given that the entering freshmen classes at most colleges and universities have changed substantially with respect to values and attitudes during the past two decades (Astin, Green, Korn, & Schalit, 1989).

Table 13 shows changes in the students' political self–identification between 1984 and 1988. The changes for all students (last column of Table 13) are somewhat surprising, given that the only substantial changes are a decline in students identifying themselves "middle–of–the–road" and a proportionate increase in the percentage of students rating themselves "conservative." Given the "liberalization" of student views on a variety of issues as shown in Table 13, how can it be that

students have become increasingly attracted to the "conservative" label during the same period of time? Indeed, between 1984 and 1988 the liberal–conservative balance shifted from 22–20 in favor of liberal to 27–22 in favor of conservative.

Table 13
Changes in Political Identification, 1984–1988 (Weighted National Norms)

Political Self Label	Percent Endorsing Label Among Women 1984	Women 1988	Men 1984	Men 1988	All Students 1984	All Students 1988	% Change
Far Left	.9	1.3	1.7	1.5	1.3	1.4	+.1
Liberal	21.2	24.7	22.1	19.8	21.6	22.3	+.7
Middle of the Road	61.9	51.9	51.0	44.6	56.6	48.4	-8.2
Conservative	15.5	21.8	24.0	32.9	19.6	27.2	+7.6
Far Right	.6	.3	1.2	1.2	.9	.7	-.2

A similar anomaly has been observed in the consecutive freshmen surveys between the early 1970s and the mid–1980s. During this period there was a substantial move away from the "liberal" label into the middle–of–the–road, accompanied by a slight increase in preference for the conservative label. Whereas liberals outnumbered conservatives by better than two to one in the early 1970s, they were about equally represented among entering freshmen during the late 1980s. However, there was no monolithic trend toward more conservative student views on social issues during this same period.

How can it be that students' views on specific issues are moving in a liberal direction while their preference for political labels moves increasingly toward "conservative"? One possible explanation is that the *meaning* of political labels has been changing during the past two decades. Many so–called "liberal" issues, such as civil rights, equality for women, and students' rights have probably become "mainstream" issues during the past two decades. At the same time, some politicians have been attempting (apparently with considerable success, judging from the 1988 presidential elections) to use the "liberal" label in a pejorative fashion. At the same time, "conservative" appears to be much in vogue, especially during the eight years of the Reagan presidency. Whatever the reasons for this apparent contradiction in our longitudinal data, it seems clear that, as far as positions on specific issues are concerned, the labels of "liberal" and "conservative" no longer mean what they used to mean.

It is interesting to note that the political self–identification of men and women is somewhat different, and that the *changes* over the four years are also slightly different. For example, in

1984, more women identified themselves as liberal than as conservative (21.2% versus 15.5%), whereas slightly more men identified themselves as conservative (24.0% versus 22.1%). During the four years of college the preference of women for *both* the liberal and conservative labels increased, with the liberals still outnumbering the conservatives in 1988 (24.7 versus 21.8). Among the men, on the other hand, preference for the liberal label declined somewhat during the four years while preference for the conservative label increased substantially. Thus, by 1988, conservatives substantially outnumbered liberals among the men (32.9% versus 19.8%).

Retention

Student retention remains a topic of great interest to higher education researchers and practitioners. The follow–up survey provides an excellent resource for retention studies since the registrar's data can be merged with the freshman data, permitting studies of the types of students who are likely to complete college.

Several hurdles must be overcome to make meaningful comparisons of institutional retention rates. To begin with, it is difficult to arrive at a completely satisfactory definition of student "retention." A private residential college that enrolls full–time students, for example, might prefer a stringent measure of student retention such as graduation within four years. A large public institution with many commuter and part–time students, on the other hand, would probably prefer a measure that would permit students a longer period of time to complete a degree.

In order to provide retention measures that might be useful for various types of institutions, three four–year retention measures for the 1984 freshmen were utilized:

1. Received a Bachelor's degree by 1988.

2. Received a Bachelor's degree *or* completed four years by 1988.

3. Received a Bachelor's degree, *or* completed four years *or* was still enrolled in fall 1988.

Each of these measures has advantages and disadvantages. While many readers may prefer the less stringent measures, it should be noted that earlier research (Astin, 1975; 1982) shows clearly that, in terms of entering characteristics, those students who do not complete a degree in four years but who are still classified as "retained" under the less stringent measures actually resemble the eventual drop outs more than they do the students who complete their degrees in four years.

Table 14 shows weighted national retention rates for all four–year institutions, separately for men and women. Note that it is only when we use the least stringent definition that we obtain

retention rates greater than 50%. Indeed, fewer than two freshmen in five (35.1%) earn a Bachelor's degree in four years, compared to nearly half (46.7%) of the 1966 freshmen (Astin, 1971). Clearly, today's college students are taking longer to complete their degrees and, in all likelihood, are less likely than ever to complete their degrees than are students of the 1960s.

While women are slightly more likely than men are to complete their Bachelor's degrees within four years, men actually have slightly higher retention rates using the less stringent measures. When compared with four–year retention figures from the previous follow–up survey (Hurtado, Astin, Korn, & Dey, 1989), these more recent figures suggest that retention rates for women are dropping slightly while those for men are increasing slightly. While it may be too early to conclude that these are real trends, it will be interesting to look at subsequent retention rates to see whether these changes continue.

Table 14
Retention Rates by Sex (1984 Freshmen Followed up in 1988)

		Weighted Percentage Who Have		
Students' Sex	Unweighted n	Earned Bachelor's Degree	BA or Completed Four Years	BA, Completed Four Years or Still Enrolled
Male	5,877	34.2	50.6	59.0
Female	5,262	35.9	49.4	57.5
All Students	11,139	35.1	50.0	58.2

Does retention vary by type of institution? Table 15 shows retention rates for seven different groupings of institutions. Retention rates at all types of private institutions are substantially above the rates for public institutions. A student entering a private university is more than twice as likely to complete a degree within four years (67.3%) as is one entering a public university (29.7%) or public college (24.5%). It should be noted that retention differences between public and private institutions diminish somewhat as the measure of retention becomes less stringent. Indeed, retention as judged by the least stringent measure is actually higher in the public universities (61.7%) than it is in any of the other type of institutions except private universities. These results suggest that students at public institutions (especially public universities) take longer to complete their Bachelor's degrees than do students at other types of institutions.

Table 15
Retention Rates by Institutional Type (1984 Freshmen Followed up in 1988)

Institutional Type	Unweighted n	Weighted Percentage Who Have Earned Bachelor's Degree	BA or Completed Four Years	BA or Completed Four Years or Still Enrolled
Public Universities	2,783	29.7	54.3	61.7
Private Universities	1,135	67.3	79.4	82.4
Public Colleges	2,216	24.5	36.7	51.1
Nonsectarian Colleges	1,967	43.7	53.8	57.6
Catholic Colleges	1,317	47.5	56.4	58.8
Protestant College	1,608	42.6	49.3	53.7
All Private Colleges	5,005	42.6	51.0	55.1

Are other college characteristics related to retention? Table 16 shows this to be the case. Almost without exception, the higher the selectivity of an institution (as measured by admissions test scores), the higher the retention rate. For example, students attending colleges whose average combined SAT score was greater than 1225 are nearly *five* times as likely to graduate in four years as are those attending schools whose average SAT score was less than 775 (80.7% versus 16.7%). Differences in retention rates by selectivity level diminish slightly with the less stringent definitions of retention, suggesting that students at the less selective institutions take somewhat longer to get their Bachelor's degrees.

Dozens of previous studies have shown that the retention rate of any institution can be greatly affected by the kinds of students it enrolls, over and above any effects of the institutional experience itself. Table 17, for example, shows the retention rates of students with different high school grade point averages. A student with high school grades averaging A or A+ is more than seven times as likely (58.5% versus 8.6%) to complete a Bachelor's degree in four years as a student whose high school grades are below C+. Again, the differences in retention rates by grade level become somewhat smaller as the retention measure becomes less stringent.

Table 16
Retention Rates by Institutional Selectivity (1984 Freshmen Followed up in 1988)

Institutional Selectivity	Unweighted n	Weighted Percentage Who Have: Earned Bachelor's Degree	BA or Completed Four Years	BA or Completed Four Years or Still Enrolled
1,225 or more	579	80.7	83.3	86.0
1,150 - 1,224	889	73.1	78.0	82.7
1,075 - 1,149	883	65.6	75.2	79.4
1,000 - 1,074	3,728	45.4	62.9	66.8
925 - 999	2,076	31.4	48.0	57.0
850 - 924	2,024	20.7	41.5	50.8
775 - 849	1,006	18.6	27.3	43.1
Below 775	398	16.7	28.3	38.3

*ACT scores converted to SAT equivalents following Astin, Henson, & Christian (1978).

Table 17
Retention Rates by High School Grades (1984 Freshmen Followed up in 1988)

Average Grade in High School	Unweighted n	Weighted Percentage Who Have: Earned Bachelor's Degree	BA or Completed Four Years	BA, Completed Four Years or Still Enrolled
A or A+	1,701	58.5	72.8	76.0
A-	1,791	48.6	65.4	70.5
B+	2,438	40.9	56.3	63.5
B	2,528	28.3	43.5	54.0
B-	1,294	22.3	38.2	49.5
C+	866	15.1	26.3	40.1
C	454	8.6	19.3	27.3

Table 18 shows retention rates by admissions test scores. Once again, we find that student characteristics play a large role in retention: students with the highest test scores (1300 or higher) are more than six times more likely (74.3% versus 11.2%) to get a Bachelor's degree in four years as are those in the lowest test score intervals (below 700). Once again, differences by test score level diminish somewhat as the retention measure becomes less stringent.

Table 18
Retention Rates by Admissions Test Scores (1984 Freshmen Followed up in 1988)

SAT Verbal + Math Score*	Unweighted n	Weighted Percentage Who Have Earned Bachelor's Degree	Weighted Percentage Who Have BA or Completed Four Years	Weighted Percentage Who Have BA or Completed Four Years or Still Enrolled
1,300 or more	579	74.3	83.6	87.6
1,225 - 1,299	551	63.5	76.5	81.1
1,150 - 1,224	900	56.4	68.9	75.3
1,075 - 1,149	987	51.5	67.0	72.6
1,000 - 1,074	1,403	45.4	59.2	67.0
925 - 999	1,201	37.8	51.3	58.8
850 - 924	1,366	28.4	43.6	55.4
775 - 849	875	25.5	39.2	51.6
700 - 774	721	19.9	34.1	48.0
Below 700	641	11.2	24.3	37.1

*ACT scores converted to SAT equivalents following Astin, Henson, & Christian (1978).

How do test scores and high school grades predict retention when they are used in combination? Table 19 shows the results of such analyses for students completing a Bachelor's degree in four years. Differences in retention rates between the lower left hand corner and the upper right hand corner of Table 19 are exceptionally large: students with A or A+ averages in high school and SAT scores exceeding 1300, for example, are more than *thirteen* times more likely to get a Bachelor's degree in four years than are students with grades in high school below C+ and SAT scores below 700 (82% versus 6%).

The data in Table 19 provide convincing evidence that, in terms of predicting retention, both test scores and grades contribute independently to the prediction. That is, if we hold high school GPA constant by looking only at one column, retention rates increase with each increasing test score interval. Similarly, if we hold SAT scores constant by looking only at a single row, retention rates increase regularly with increasing grades.

The data shown in Table 19 make it clear that it is not possible to evaluate any institution's retention rate without taking into account the kinds of students it enrolls initially. Indeed, it would appear that the substantial differences in retention rates by type of institution (Table 15) can be attributed, at least in part, to differences in the academic preparation of the students initially admitted. For example, private universities, which had the highest retention rates, probably enroll the best-prepared students, while public colleges, which had the lowest rates, in all likelihood enroll the least-well-prepared freshmen.

Table 19
Percentage Earning Bachelor's Degree After Four Years, By High School Grades and SAT Scores (1988 Follow-up of 1984—Four-year Institutions Only)

	High School Grades						
Composite SAT	C or less	C+	B-	B	B+	A-	A/A+
1,300 or more	—	—	—	—	66	66	82
1,150-1,299	—	—	32	44	58	63	69
1,000-1,149	—	22	33	40	51	57	58
850-999	18	17	29	30	39	40	42
700-849	6	16	17	24	27	40	41
less than 700	6	11	14	11	20	—	—

Table 20
Retention Rates by Ethnicity (1984 Freshmen Followed up in 1988)

		Weighted Percentage Who Have		
Ethnicity	Unweighted n	Earned Bachelor's Degree	BA or Completed Four Years	BA or Completed Four Years or Still Enrolled
White	9,897	36.5	51.2	59.2
Black	589	21.0	37.2	47.8
American Indian	98	11.2	20.9	32.4
Asian	214	42.7	62.5	65.7
Chicano	91	29.5	40.6	44.7
Puerto Rican	39	21.4	30.1	58.0
Other	108	46.1	56.1	64.3
did not respond	103	25.3	43.9	59.0

In recent years there has been a growing interest in the retention rates of members of different ethnic minority populations. Do retention rates vary by the student's ethnicity? Table 20 shows retention rates for members of seven different ethnic populations. Regardless of the type of measure used, Asian students show the highest retention rates, while American Indian students

show the lowest rates. High rates are also obtained by students who designated their ethnicity as "other" and by white students, whereas relatively low rates occur for Chicanos, Puerto Ricans, and Blacks. Recent analyses from the Higher Education Research Institute (Dey & Astin, 1989) suggest that these differential rates by ethnicity are largely attributable to differences in academic preparation of the various ethnic subpopulations.

Summary

This normative report on the 1988 follow-up of the 1984 and 1986 freshmen shows that students change in a number of substantial ways after entering college. The changes, however, vary substantially by gender and type of institution, suggesting that the impact of the college experience depends not only on the kind of institution the student attends but also on the student's characteristics at the time of entry. Longitudinal analyses currently under way at the Higher Education Research Institute are designed to determine the relative impact of these two categories of variables.

The data show that students are most satisfied with the library facilities and courses in their major field of study, and least satisfied with regulations governing campus life, with the relevance of coursework to everyday life, and with personal services such as financial aid, job placement, career counseling, and academic advising.

Students report that the college experience produced the most growth in general knowledge and especially in knowledge of a particular field; the least growth occurred in their foreign language ability and in their religious beliefs and convictions.

Career fields showing the greatest gain in popularity during the college years are business (management and sales) and school teaching. Careers showing the largest declines in popularity are all science–related (engineer, physician, computer programmer). Major fields in science, math, and technology also showed substantial declines in popularity during the college years.

Students in general tend to become more liberal in their views on most political and social issues during the undergraduate years, in spite of the fact that they also become more attracted to the "conservative" political label.

While retention rates vary dramatically by type of institution, those differences can be attributed in large part to the kinds of students who initially enroll.

References

Astin, A.W. *Predicting Academic Performance in College*. New York: The Free Press, 1971.

Astin, A.W. *Four Critical Years*. San Francisco: Jossey-Bass, 1977.

Astin, A.W. *Minorities in American Higher Education*. San Francisco: Jossey-Bass, 1982.

Astin, A.W. *Achieving Educational Excellence*. San Francisco: Jossey-Bass, 1985.

Astin, A.W. *Assessment for Excellence: The Philosophy and Practice of Assessment and Evaluation in Higher Education*. New York: Macmillan, 1990.

Astin, A.W., C.E. Christian, & J.W. Henson. *The Impact of Student Financial Aid Programs on Student Choice*. Los Angeles: Higher Education Research Institute, 1978.

Astin, A.W. , K.C. Green, W.S. Korn, & M. Schalit. *The American Freshman: National Norms for Fall 1988*. Los Angeles: Higher Education Research Institute, 1989.

Astin, A.W., W.S. Korn, & E.R. Berz. *The American Freshman: National Norms for Fall 1989*. Los Angeles: Higher Education Research Institute, 1990.

Dey, E. & A.W. Astin. *Predicting College Student Retention*. Los Angeles: Higher Education Research Institute, 1989.

Feldman, K.A. & T.M. Newcomb. *The Impact of College on Students*. San Francisco: Jossey-Bass, 1969.

Green, K.C. "The Educational Pipeline in Nursing." *Journal of Professional Nursing*, July 1987.

National Normative Data for 1986 Freshmen Two Years After College Entry

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1986	96.6	98.5	98.4	95.0	96.0	96.6	93.1	96.9	87.1	86.3	93.7
1985	1.9	0.8	0.9	2.1	3.1	1.9	6.2	3.0	3.5	3.4	3.7
1984	0.4	0.3	0.4	0.7	0.1	0.2	0.3	0.0	0.7	0.7	1.1
1983 or earlier	0.9	0.4	0.2	1.7	0.7	1.2	0.4	0.0	6.4	7.1	1.3
H.S. equivalency (G.E.D. test)	0.2	0.1	0.1	0.5	0.0	0.0	0.0	0.0	1.7	1.9	0.2
never completed high school	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.6	0.7	0.0
Age on December 31, 1988											
18 or younger	0.1	0.3	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
19	2.5	2.3	4.5	1.6	3.2	4.4	3.2	1.3	3.0	3.4	0.3
20	76.2	80.2	79.1	75.2	72.1	75.2	66.7	70.3	65.3	64.7	69.8
21	18.7	15.6	15.2	19.5	22.2	18.4	28.0	24.7	17.9	16.9	25.7
22	1.4	1.3	0.6	1.5	1.8	0.6	1.6	3.7	2.7	2.7	2.5
23-26	0.6	0.2	0.6	1.0	0.5	0.8	0.3	0.0	4.6	4.9	1.7
27-31	0.3	0.0	0.0	0.9	0.1	0.1	0.1	0.0	3.3	3.7	0.0
32-41	0.2	0.1	0.0	0.2	0.1	0.2	0.1	0.0	2.9	3.3	0.0
42-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
57 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	84.7	87.5	87.8	80.8	85.6	82.0	82.0	93.7	93.5	93.9	90.5
Black/Negro/Afro-American	9.9	6.4	3.5	15.0	9.3	14.6	4.4	3.5	3.3	2.8	7.8
American Indian	0.6	0.7	0.8	0.7	0.3	0.2	0.6	0.4	2.1	2.4	0.0
Asian-American/Oriental	2.9	4.2	5.7	1.6	2.1	2.4	3.1	1.1	1.5	1.6	1.1
Mexican-American/Chicano	1.7	1.0	1.6	1.7	2.3	0.3	9.9	1.2	0.8	0.8	0.6
Puerto Rican-American	0.3	0.1	0.8	0.4	0.4	0.4	0.6	0.2	0.5	0.5	0.0
other	1.3	1.1	2.2	1.1	1.6	1.1	3.6	1.2	1.6	1.7	0.7
Status of Parents											
living with each other	75.5	77.8	82.5	73.8	73.1	71.8	78.7	71.8	74.2	74.9	68.2
divorced or separated	19.8	19.0	14.4	20.2	21.7	22.1	18.3	23.1	16.9	16.4	21.7
one or both deceased	4.7	3.2	3.2	6.0	5.2	6.0	3.1	5.1	8.9	8.7	10.1
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	95.4	96.2	98.7	95.3	93.5	95.5	89.7	92.5	93.0	93.0	93.7
mathematics (3 years)	92.7	96.2	97.3	89.7	91.4	93.2	89.2	89.7	79.2	79.3	78.0
foreign language (2 years)	78.3	82.5	90.6	72.5	77.2	81.8	77.9	69.4	61.3	62.3	53.4
physical science (2 years)	57.7	59.4	67.8	54.9	56.0	59.9	55.8	49.9	48.8	49.7	41.1
biological science (2 years)	36.4	34.3	35.4	36.5	38.8	40.0	33.3	40.2	31.3	31.0	33.2
history/American govt (1 year)	99.3	98.8	99.9	99.3	99.4	98.9	99.9	100.0	99.1	99.0	100.0
computer science (1/2 year)	63.2	65.5	65.9	64.6	58.1	58.2	61.8	55.9	55.1	55.2	54.4
art or music (1 year)	62.1	59.8	62.2	62.2	64.5	60.7	67.3	69.0	62.2	61.6	67.0

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	14.0	16.9	26.9	10.3	11.3	11.5	9.6	12.0	5.3	5.5	3.7
A-	14.7	16.6	25.1	11.1	13.8	12.7	14.5	15.1	5.9	5.9	5.8
B+	19.9	21.3	19.2	19.6	19.2	20.1	19.2	17.8	14.5	14.6	14.0
B	24.2	24.1	18.6	24.9	25.3	26.1	27.3	22.9	28.0	29.8	13.4
B-	12.4	9.8	5.5	15.0	14.1	14.4	12.0	14.8	17.5	18.1	12.3
C+	9.4	7.8	3.2	11.7	10.2	10.3	7.3	11.7	16.1	15.9	17.6
C	5.4	3.6	1.4	7.5	6.1	5.0	10.0	5.7	11.1	8.4	32.7
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.9	0.5
Average Undergraduate Grade											
A	5.0	5.7	7.3	3.6	5.3	4.8	5.8	5.8	5.1	4.9	6.8
B+,A-	20.4	22.1	30.0	16.2	21.0	19.9	20.6	22.8	16.4	16.8	13.3
B	31.6	32.8	34.0	30.6	30.6	33.1	32.9	25.3	30.0	31.1	21.5
C+,B-	24.9	22.3	20.1	26.2	27.8	29.0	28.9	25.2	25.6	25.0	30.6
C	14.3	13.5	6.1	18.9	11.9	10.1	11.3	15.2	19.0	18.2	25.0
C- or less	3.8	3.6	2.4	4.6	3.5	3.1	0.5	5.7	3.9	4.0	2.9
Degree Aspirations in 1986											
none	1.9	1.3	1.6	2.8	1.4	1.2	2.5	1.1	1.6	1.4	3.0
vocational certificate	0.1	0.1	0.0	0.2	0.2	0.1	0.0	0.6	2.1	2.3	0.4
associate (A.A. or equivalent)	0.8	0.4	0.0	1.4	0.8	0.7	0.4	1.0	15.7	15.5	17.3
bachelor's (B.A., B.S., etc.)	33.1	34.7	17.0	37.0	32.2	28.7	32.4	37.2	45.8	47.4	34.8
master's (M.A., M.S., etc.)	36.0	34.5	41.4	36.8	34.9	36.3	37.3	31.4	25.6	24.4	33.7
Ph.D. or Ed.D.	13.9	14.9	18.1	10.5	15.6	17.8	11.4	14.6	4.3	4.1	5.7
M.D., D.O., D.D.S., D.V.M.	7.2	9.8	11.7	3.6	7.2	7.8	6.3	6.8	2.2	2.2	2.1
J.D. or LL.B. (law)	5.1	3.9	9.1	4.7	5.7	6.1	5.8	5.2	1.8	1.6	2.6
B.D. or M.Div. (divinity)	0.7	0.0	0.7	1.7	0.3	0.4	0.7	0.1	0.0	0.0	0.0
other	1.1	0.5	0.4	1.4	1.6	0.9	3.1	2.0	1.0	1.1	0.5
Highest Degree Earned by 1988											
none	89.2	90.4	91.6	88.4	88.0	89.4	85.3	87.3	61.7	62.6	55.0
vocational certificate	1.7	1.2	0.7	1.9	2.2	1.9	3.8	1.8	6.3	6.6	4.3
associate (A.A. or equivalent)	6.0	6.0	4.8	6.5	5.8	5.6	7.7	5.1	28.9	27.8	37.7
bachelor's (B.A., B.S., etc.)	0.9	0.5	0.3	0.9	1.4	0.8	1.2	2.5	1.7	1.7	1.8
master's (M.A., M.S., etc.)	0.2	0.2	0.0	0.2	0.2	0.0	0.8	0.0	0.1	0.0	0.5
Ph.D. or Ed.D.	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
M.D., D.O., D.D.S., D.V.M.	0.1	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.0	0.0	0.0
J.D. or LL.B. (law)	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.7	0.0	0.0	0.0
B.D. or M.Div. (divinity)	0.2	0.0	0.6	0.3	0.2	0.3	0.0	0.1	0.0	0.0	0.0
other	1.6	1.4	1.8	1.5	1.8	1.8	1.0	2.2	1.3	1.4	0.6
Degree Aspirations in 1988											
none	3.2	2.4	0.8	5.5	2.2	2.4	1.4	2.4	5.3	5.3	5.4
vocational certificate	0.3	0.3	0.1	0.4	0.2	0.1	0.3	0.4	2.3	2.5	0.9
associate (A.A. or equivalent)	1.6	1.1	0.3	2.4	1.5	0.6	1.7	2.9	12.3	12.5	10.5
bachelor's (B.A., B.S., etc.)	34.2	35.3	25.6	39.2	29.5	28.7	28.0	31.7	38.7	39.3	33.6
master's (M.A., M.S., etc.)	37.2	36.1	38.9	36.2	39.1	39.8	38.3	38.5	29.1	28.2	36.8
Ph.D. or Ed.D.	11.5	12.1	13.2	8.5	14.0	15.1	11.2	13.9	7.0	7.1	6.3
M.D., D.O., D.D.S., D.V.M.	4.1	5.1	8.2	2.4	3.6	3.8	4.7	2.8	1.1	1.1	1.6
J.D. or LL.B. (law)	6.1	7.0	12.3	3.7	6.1	6.7	6.8	4.7	2.8	2.9	1.6
B.D. or M.Div. (divinity)	0.3	0.2	0.1	0.3	0.6	0.6	0.7	0.6	0.3	0.3	0.1
other	1.5	0.6	0.5	1.4	3.0	2.2	6.9	2.0	1.1	0.9	3.0

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College Was Student's											
first choice	70.1	73.7	72.2	67.0	69.5	66.0	76.0	71.2	76.2	77.2	68.3
second choice	22.2	19.5	21.4	23.7	23.6	26.1	20.0	21.8	18.2	17.3	25.7
third choice	4.7	4.4	4.7	5.2	4.5	4.1	2.6	6.2	4.5	4.4	5.3
less than third choice	2.9	2.4	1.7	4.1	2.4	3.7	1.3	0.9	1.1	1.1	0.7
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	65.1	63.1	69.0	64.6	66.8	66.6	66.0	67.4	69.0	69.7	62.6
humanities courses	74.2	72.6	80.8	72.0	76.7	75.0	79.9	77.8	71.0	71.6	66.2
social science courses	73.0	76.5	77.1	66.9	75.7	75.2	77.4	75.5	68.0	68.5	63.8
courses in major field	83.5	82.0	86.2	82.2	85.8	86.9	80.7	86.9	79.9	80.3	76.0
general education requirements	62.1	60.4	70.1	58.5	65.8	62.5	72.1	67.3	65.8	66.9	56.8
relevance of coursework to life	52.8	46.0	61.5	50.1	61.1	61.7	60.4	60.5	52.6	52.7	52.1
overall quality of instruction	72.8	67.2	81.6	70.5	78.9	78.6	79.7	78.9	70.1	69.7	73.2
lab facilities and equipment	70.1	73.3	69.1	69.2	67.9	68.2	69.4	66.7	66.4	67.3	58.8
library facilities	77.4	88.0	73.2	78.4	65.7	64.8	71.7	63.6	72.2	72.8	67.3
computer facilities	73.7	77.2	74.2	74.8	68.7	67.2	75.9	67.0	71.1	72.1	63.2
oppty for interdisciplin courses	56.0	57.5	62.5	48.0	61.2	60.7	62.8	61.1	34.5	34.3	36.3
oppty to talk to professors	74.8	66.5	79.2	70.4	87.8	86.9	87.3	89.5	76.5	76.3	78.4
oppty for extracurr activities	76.3	78.4	81.7	69.5	80.3	81.2	76.5	81.2	64.1	64.1	64.2
campus social life	63.3	71.5	63.9	56.5	62.3	61.9	62.6	63.0	57.1	58.7	44.4
regulations on campus life	42.4	47.3	53.9	34.5	42.9	42.8	43.5	42.5	40.4	42.4	24.6
academic tutoring or assistance	63.9	60.0	65.6	65.1	65.7	64.4	76.0	61.6	64.3	65.8	52.7
academic advising	54.5	51.1	50.7	51.7	62.7	56.3	69.5	69.0	54.1	54.6	50.3
career counseling and advising	53.0	49.2	50.4	52.1	58.8	54.3	65.9	61.3	51.6	52.7	43.1
student housing	54.8	53.2	60.4	51.9	57.8	55.2	63.9	58.9	51.8	50.5	60.4
financial aid services	43.8	37.2	47.8	40.6	52.0	49.9	55.4	53.4	51.4	51.0	54.2
contact with faculty and admin	57.7	45.1	62.0	54.4	73.5	69.7	79.5	76.1	64.5	63.8	69.4
relations with faculty and admin	59.4	50.0	67.1	54.4	72.8	67.9	82.0	75.4	67.7	68.0	65.6
oppty to attend films,concerts	73.2	77.5	82.2	67.5	72.7	75.3	66.6	72.1	59.5	59.7	57.9
job placement services	53.0	50.4	65.1	47.4	57.8	57.1	62.8	56.0	43.9	44.4	40.2
campus health services	59.2	63.9	57.2	63.1	50.5	50.4	54.7	48.3	49.0	49.2	47.4
overall college experience	77.3	81.0	81.9	73.2	76.9	76.0	77.9	77.7	73.4	75.0	60.4
Enroll at Freshman College Again											
definitely yes	35.4	41.2	45.6	27.0	36.2	35.5	36.5	37.1	36.6	38.3	22.7
probably yes	33.9	34.9	32.8	35.5	31.0	32.5	28.7	30.0	30.5	30.8	28.3
don't know	3.9	3.3	2.6	4.1	4.5	3.9	4.6	5.5	3.4	3.6	1.7
probably not	16.6	12.2	12.1	20.8	17.6	17.2	19.6	17.2	17.3	16.8	21.4
definitely not	10.3	8.3	7.0	12.5	10.7	11.0	10.6	10.3	12.2	10.5	25.9
Plans for Fall 1988											
attend college full-time	87.2	91.5	85.9	82.0	89.4	91.5	86.1	88.0	63.0	63.5	58.4
attend college part-time	3.8	2.9	3.0	5.5	3.0	3.4	2.2	2.8	10.5	9.6	18.2
attend graduate school	0.8	0.7	0.8	1.0	0.7	0.6	1.0	0.7	1.5	1.6	0.8
attend vocational program	0.9	0.9	0.7	1.2	0.7	0.4	0.2	1.4	1.0	0.9	1.3
work full-time	10.9	6.0	7.5	16.8	9.7	7.2	12.0	12.4	28.0	27.5	32.3
work part-time	44.6	50.7	39.7	39.9	45.4	43.1	50.5	46.1	32.9	33.8	25.5
serve in Armed Forces	2.8	1.4	1.1	6.1	0.8	1.1	0.9	0.4	3.0	3.1	2.8
travel	5.8	7.0	5.8	3.8	6.9	8.3	4.1	6.5	3.3	3.6	0.6
do volunteer work	10.9	10.6	16.0	8.6	12.5	11.0	14.5	13.5	4.5	4.5	4.1
stay at home	4.8	4.4	3.0	5.6	4.8	4.4	4.9	5.3	10.2	10.5	7.8

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Took Time Off, Withdrew or Transferred											
no	69.8	73.5	79.2	62.8	71.4	72.0	74.6	68.6	66.6	68.1	54.1
transferred	18.0	17.5	11.0	19.8	18.4	19.1	17.1	18.2	13.5	13.0	16.9
withdrew	6.1	4.6	2.1	8.6	5.9	4.6	3.5	9.5	15.0	14.5	18.7
leave of absence	6.1	4.4	7.8	8.7	4.2	4.3	4.8	3.7	5.0	4.3	10.3
Reasons Noted as Very Important for Taking Time Off (4)											
changed career plans	30.2	32.1	20.5	34.2	23.8	21.7	24.7	26.4	35.8	36.3	33.1
couldn't afford college	18.7	14.4	23.7	19.3	20.8	19.4	18.2	24.1	23.5	22.6	28.4
didn't "fit in"	20.7	25.2	15.7	18.0	21.8	17.8	16.7	29.7	11.9	8.0	33.5
family responsibilities	9.5	6.2	8.0	12.3	8.7	7.2	6.5	11.9	13.5	13.7	12.5
had good job offer	5.4	4.9	8.8	5.8	4.5	3.7	5.2	5.4	13.9	15.6	5.1
reconsider goals and interests	43.9	41.1	34.5	47.4	43.5	37.1	46.0	51.4	43.0	43.0	42.9
tired of being student	8.3	5.4	4.5	11.1	7.5	6.8	7.4	8.6	11.3	12.7	3.8
wanted better acad. reputation	21.2	16.4	12.6	26.6	19.1	23.7	19.3	12.7	16.2	15.8	18.7
wanted better social life	15.2	9.6	16.9	16.6	18.2	15.7	14.8	23.3	8.1	7.4	12.1
wanted practical experience	16.7	16.0	10.5	19.8	13.7	11.8	19.9	13.5	17.1	18.4	9.8
wanted to be closer to home	11.6	8.5	10.0	13.1	12.6	13.5	6.8	14.0	13.3	10.4	28.8
wanted wider course selection	28.2	14.0	10.3	34.7	36.0	40.0	29.9	33.2	22.3	19.6	37.1
was bored with course work	13.8	12.9	14.2	15.6	11.7	8.7	13.9	14.7	15.1	14.5	18.3
wasn't doing well academically	29.9	32.0	15.4	34.6	23.7	24.4	9.8	29.0	28.2	30.0	17.2
ENROLLMENT STATUS											
First Year											
attended full-time	97.7	98.1	99.5	96.1	98.7	98.7	99.2	98.3	97.3	97.9	92.8
attended part-time	1.6	1.8	0.5	2.1	1.2	1.2	0.4	1.7	2.4	1.8	7.0
not enrolled	0.6	0.1	0.0	1.8	0.1	0.1	0.4	0.0	0.3	0.3	0.2
Second Year											
attended full-time	91.4	92.1	94.8	88.3	93.6	96.1	86.4	93.8	85.5	86.5	77.3
attended part-time	5.6	5.8	2.1	7.8	3.9	2.0	9.3	3.7	6.3	6.4	6.1
not enrolled	2.9	2.1	3.1	3.9	2.5	1.9	4.3	2.5	8.1	7.1	16.6
Miles from 1986 Home to College											
5 or less	5.4	4.2	4.6	6.6	5.4	5.1	6.7	5.2	12.3	12.3	12.3
6-10	6.4	6.1	5.5	8.4	4.5	3.5	8.5	3.8	13.5	14.5	5.9
11-50	23.3	19.7	13.4	30.5	21.2	20.4	26.6	19.4	41.2	42.5	31.3
51-100	17.8	20.2	9.5	18.8	16.5	16.8	12.0	18.6	14.6	14.4	16.4
101-500	33.6	41.8	32.0	25.6	35.6	33.1	32.0	41.5	16.5	15.0	27.9
more than 500	13.5	8.1	34.9	10.1	16.8	21.2	14.1	11.5	1.9	1.3	6.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1986											
academic ability	66.3	74.6	81.5	59.4	61.2	65.2	57.1	57.3	35.4	36.6	25.7
artistic ability	25.7	27.7	31.1	23.0	25.4	28.0	20.8	23.8	20.5	19.9	25.1
drive to achieve	68.1	69.6	79.4	67.3	63.7	65.8	61.8	61.4	49.1	49.9	42.9
emotional health	63.6	66.1	69.0	63.9	58.8	60.6	55.6	57.9	52.9	52.5	55.8
foreign language ability	35.2	40.3	46.6	30.0	32.8	34.8	32.1	30.0	23.4	24.4	15.2
leadership ability	58.1	59.3	68.7	57.3	54.3	56.5	50.4	53.0	42.1	42.4	39.1
mathematical ability	46.1	54.5	61.1	40.1	39.8	41.5	38.8	37.7	32.5	33.6	23.5
physical health	64.1	66.0	70.8	65.2	58.6	61.2	55.9	56.0	56.2	57.3	48.0
popularity	49.1	50.9	54.5	48.9	45.6	48.0	41.0	44.4	40.1	40.4	38.0
self-confidence (intell)	62.3	67.3	72.1	59.7	57.2	60.5	50.5	55.7	44.2	44.7	39.9
self-confidence (social)	52.6	55.1	56.1	53.7	47.3	48.5	45.0	46.6	42.8	42.7	43.4
writing ability	48.6	52.4	56.2	46.8	44.3	45.5	42.0	43.9	29.9	30.8	22.6
in 1988											
academic ability	64.8	70.4	80.7	56.2	64.6	65.6	65.9	62.1	46.9	48.1	37.0
artistic ability	29.1	31.0	32.4	25.2	31.0	32.4	33.0	27.5	23.1	21.9	32.7
competitiveness	56.3	57.6	63.7	55.4	53.8	55.7	50.7	52.7	50.1	51.1	42.0
drive to achieve	66.3	65.7	76.2	65.3	65.0	66.3	62.1	64.6	59.5	59.9	56.3
emotional health	59.0	59.0	64.8	57.2	59.5	60.3	55.8	60.3	54.7	55.0	51.5
foreign language ability	36.0	39.9	47.1	29.7	36.1	35.7	41.4	33.8	20.1	20.7	14.9
leadership ability	57.8	56.3	68.0	56.0	58.4	57.8	61.7	57.4	49.6	50.6	41.2
mathematical ability	44.3	51.2	56.6	38.5	40.1	41.8	37.0	39.1	34.3	35.2	27.0
physical health	61.4	63.1	69.8	61.8	56.1	55.0	57.1	57.4	56.1	56.8	50.2
popularity	48.1	47.4	50.9	46.0	50.8	50.4	53.9	49.7	42.8	43.7	35.9
popularity with opposite sex	45.4	42.6	49.7	46.4	45.7	45.7	42.5	47.7	42.9	43.9	35.4
public speaking ability	38.0	35.9	46.8	37.0	38.8	40.1	35.7	38.4	31.4	32.4	23.2
self-confidence (intell)	61.2	63.9	72.0	58.1	58.8	60.4	58.5	56.4	48.2	49.6	37.0
self-confidence (social)	53.4	53.0	57.8	53.3	52.7	52.4	49.7	54.8	46.2	46.8	41.1
writing ability	54.6	57.4	64.6	50.9	53.0	54.4	48.8	53.1	41.5	41.7	39.8
Students Reporting Much Stronger Abilities and Skills in 1988											
ability to work independently	24.6	21.4	26.7	25.5	26.5	26.1	27.3	26.8	20.8	21.1	18.7
acceptance of dif races/cultures	19.6	15.6	21.3	20.1	23.0	25.8	20.7	19.8	16.6	16.3	19.1
committment to specific career	26.3	24.0	25.4	27.5	27.6	26.5	29.4	28.4	23.9	24.2	21.7
concern about financial security	29.8	27.7	25.0	33.7	28.9	28.8	31.8	27.3	31.9	30.7	42.1
confidence in academic abilities	15.6	13.5	16.7	17.0	15.9	18.1	13.7	13.6	18.7	19.2	14.0
critical thinking ability	22.1	20.2	28.8	20.6	24.0	26.8	22.7	20.2	17.4	17.3	18.4
cultural awareness	22.7	23.4	29.1	18.6	24.9	26.8	25.2	21.8	12.5	11.6	19.7
foreign language ability	7.8	8.0	10.6	5.8	9.1	8.8	11.7	8.1	3.2	2.9	5.8
general knowledge	32.9	32.6	40.0	31.2	33.0	33.8	34.2	31.0	32.4	33.2	25.6
interest in grad/prof school	26.1	24.7	27.4	25.1	28.5	29.4	30.1	26.0	24.1	24.6	20.1
interpersonal skills	17.7	17.9	21.9	15.5	18.8	18.9	22.1	16.8	14.6	14.4	16.2
job-related skills	18.1	15.8	21.2	18.9	18.5	19.8	18.4	16.3	22.7	22.8	21.8
knowledge of particular field	41.7	40.2	47.9	38.5	45.5	49.3	41.9	41.4	39.3	39.8	35.2
leadership abilities	13.4	9.0	16.2	16.3	13.8	16.2	10.7	11.8	13.3	14.1	6.8
motivation to earn degree	34.9	30.4	30.8	37.9	37.5	39.8	34.2	35.8	35.4	35.7	33.1
preparation for grad/prof school	15.0	13.0	19.5	13.3	17.9	20.1	15.2	15.9	12.3	12.2	12.7
problem-solving skills	17.1	16.8	19.7	16.6	17.3	19.3	16.5	14.6	14.5	15.0	10.2
religious beliefs & convictions	7.5	5.7	14.5	5.7	9.6	9.0	9.4	10.6	4.7	4.3	7.9
speaking and writing ability	16.4	14.5	18.6	16.8	17.1	18.5	16.9	14.9	15.0	15.4	12.1
tolerance of different beliefs	20.1	16.6	23.4	21.1	21.5	22.8	23.5	18.4	15.8	15.8	15.8

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (in 1986)											
be elected to student office....	5.1	3.1	5.6	6.6	5.1	5.6	4.4	4.8	3.0	3.1	1.9
be satisfied with college.....	56.7	59.1	71.0	52.0	55.3	57.6	53.3	52.7	51.5	52.0	47.5
change career choice.....	14.1	15.5	19.4	11.9	13.5	13.9	12.1	13.8	7.9	7.9	7.5
change major field.....	15.6	17.5	20.0	14.8	13.4	13.8	12.6	13.2	9.1	9.3	8.0
drop out permanently.....	1.1	0.5	0.5	2.1	0.8	1.2	0.1	0.6	0.7	0.7	0.7
drop out temporarily.....	1.4	0.7	2.4	1.9	1.0	1.5	0.5	0.6	2.4	1.9	6.4
fail one or more courses.....	2.0	1.0	1.6	3.8	0.8	1.3	0.8	0.2	2.2	2.4	0.5
get job to pay expenses.....	39.6	38.2	45.7	39.5	39.4	39.6	41.6	37.8	34.9	35.1	33.9
join social frat or sorority....	21.3	23.8	29.7	18.7	19.2	17.3	19.3	22.2	9.3	8.7	14.1
make at least "B" average.....	41.9	42.3	55.5	39.8	39.6	41.2	42.2	35.4	37.1	37.8	31.2
marry while in college.....	4.3	3.4	5.4	4.5	4.5	3.3	2.5	7.6	3.6	3.7	2.7
participate in student protests.	6.1	5.2	7.7	5.9	6.9	9.1	5.0	4.5	3.2	3.4	1.3
play varsity athletics.....	16.0	9.1	15.5	17.6	21.6	22.3	20.4	21.1	10.8	10.8	10.7
receive individual counseling...	4.2	2.6	3.1	6.2	3.8	5.1	3.2	2.3	4.0	4.0	3.8
receive vocational counseling...	7.1	7.6	9.8	6.7	6.3	7.9	5.1	4.6	4.8	5.1	2.5
transfer to another college.....	9.0	4.9	4.0	14.1	8.7	7.1	5.1	13.0	10.9	10.2	16.8
work at outside job.....	19.8	19.2	18.3	22.9	17.0	15.4	20.8	17.2	22.7	23.2	18.8
work full-time while attending..	3.6	2.3	2.3	5.8	2.5	2.5	2.3	2.5	4.7	5.2	0.9
Events Occurring by 1988											
was elected to student office...	14.5	9.8	16.8	14.3	19.1	18.9	16.6	20.7	15.4	15.1	18.5
satisfied with freshman coll (5)	77.3	81.0	81.9	73.2	76.9	76.0	77.9	77.7	73.4	75.0	60.4
changed career choice (5).....	43.1	45.4	41.4	44.2	39.7	37.5	42.7	41.6	41.8	40.5	52.0
changed major field (5).....	43.8	47.6	42.7	43.2	40.9	38.8	50.7	38.5	40.1	38.9	49.3
dropped out permanently (5).....	6.1	4.6	2.1	8.6	5.9	4.6	3.5	9.5	15.0	14.5	18.7
dropped out temporarily (5).....	6.1	4.4	7.8	8.7	4.2	4.3	4.8	3.7	5.0	4.3	10.3
failed one or more courses.....	34.0	34.5	20.0	42.7	26.9	27.7	19.4	30.0	34.2	33.5	39.9
joined social frat or sorority..	23.6	28.2	25.0	20.6	21.7	21.4	12.6	27.6	7.8	7.2	12.4
made at least "B" average (5)...	57.0	60.6	71.4	50.4	56.9	57.8	59.2	53.9	51.5	52.7	41.6
got married.....	2.2	1.8	1.7	2.2	2.9	1.9	1.4	5.3	4.0	4.1	2.7
participated in student protests	15.2	13.5	14.7	15.0	17.6	23.0	9.4	13.6	5.6	5.2	8.7
played intercollegiate sports...	27.4	21.9	24.8	27.2	34.5	34.6	34.1	34.7	21.9	20.3	34.3
received personal counseling....	12.4	10.3	13.8	11.4	15.3	15.0	15.9	15.4	6.7	6.3	9.9
received vocational counseling..	37.2	35.2	35.0	38.4	38.6	32.2	47.3	43.8	32.0	31.2	38.6
transferred before graduating(5)	18.0	17.5	11.0	19.8	18.4	19.1	17.1	18.2	13.5	13.0	16.9
worked full-time while student..	10.5	9.5	5.7	13.5	9.2	8.3	13.9	7.9	13.7	12.8	21.3
worked part-time job off campus.	49.8	50.3	41.9	54.2	46.3	41.3	59.6	46.5	64.4	65.5	56.3
worked part-time job on campus..	39.2	35.4	46.4	30.5	52.0	51.4	59.9	48.2	29.7	27.2	49.4
Other College Activities											
enrolled in honors program.....	26.3	24.9	32.6	22.6	30.7	34.8	26.8	26.5	18.7	18.7	18.8
in college internship program...	7.0	7.0	9.5	3.5	10.7	12.1	7.9	10.0	10.7	10.1	14.8
in study abroad program.....	5.2	3.5	6.8	3.4	8.8	10.3	5.8	8.1	2.2	2.1	3.0
taken reading/study skills class	22.8	14.8	14.4	29.4	26.3	24.5	30.3	26.8	26.3	25.1	35.2
taken remedial/develop. classes.	12.7	7.2	3.8	20.0	12.7	11.6	10.3	15.8	18.9	19.4	14.8
worked in political campaign....	8.5	8.3	9.6	8.4	8.3	9.4	6.7	7.3	3.5	3.6	2.7
worked on prof's research proj..	10.5	9.4	11.6	10.9	10.9	12.2	11.3	8.5	10.6	10.5	11.3

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Past Year Reported in 1986											
attended public recital/concert.	80.9	80.8	82.7	78.9	82.9	82.7	82.5	83.4	68.5	67.6	75.3
been guest in teacher's home....	35.2	32.4	37.8	34.6	38.0	35.9	32.7	44.4	29.6	30.0	25.9
didn't complete homework on time	70.3	71.3	66.9	68.8	72.3	73.5	70.2	71.6	65.8	64.1	79.3
drank beer.....	66.9	70.9	63.8	67.1	63.4	64.6	72.2	56.6	74.0	74.3	71.5
felt depressed (6).....	8.8	6.7	7.8	10.1	9.8	9.6	9.1	10.5	8.3	8.4	8.2
felt overwhelmed (6).....	19.0	19.7	16.0	18.9	19.2	18.7	17.3	21.3	18.2	17.9	20.9
missed school due to illness (6)	4.9	3.5	3.2	6.5	4.9	6.0	4.0	3.6	4.3	3.5	10.9
smoked cigarettes (6).....	8.0	5.6	3.8	10.1	9.2	12.7	7.9	4.5	13.4	13.1	16.1
stayed up all night.....	76.5	76.2	74.2	77.1	77.0	80.9	72.0	73.6	76.7	77.0	74.0
tutored another student.....	48.9	51.8	60.5	43.6	48.6	49.6	46.2	48.5	31.4	31.5	30.5
won varsity letter in sports....	50.4	47.4	55.3	52.5	49.3	50.2	47.5	49.0	41.7	41.8	41.4
Reported in 1988											
assisted faculty in teaching....	12.5	8.3	10.3	11.2	19.4	21.6	16.3	17.8	18.3	18.5	16.7
attended musical recital/concert	74.5	71.0	76.2	72.7	80.1	80.4	78.1	80.7	60.5	58.9	72.8
been guest in professor's home..	19.8	12.2	22.2	13.7	35.0	36.1	20.5	41.6	16.1	14.4	30.0
been lonely or homesick (6).....	9.4	9.1	7.4	10.1	9.4	10.3	9.0	8.2	5.9	5.9	5.6
cheated on quiz or exam.....	19.3	20.9	14.1	21.8	16.0	18.1	20.3	10.3	17.8	18.0	15.7
confided in friend about problem	90.9	91.2	91.4	89.8	91.7	91.5	92.1	91.9	84.5	84.0	88.9
copied homework from other stdnt	32.8	34.4	34.1	33.2	30.1	28.6	33.9	30.5	34.2	33.8	36.8
didn't complete homework on time	58.9	56.6	58.1	59.4	61.0	59.5	56.4	66.1	55.4	55.2	56.9
discussed course w/student (6)..	62.5	61.0	68.9	60.5	64.6	66.9	64.0	61.4	53.5	54.3	47.0
drank beer.....	73.6	79.8	69.0	71.7	70.8	71.2	79.4	65.0	71.6	71.9	69.0
drank wine or liquor.....	74.8	80.6	70.8	72.9	72.0	71.9	75.8	70.0	69.2	68.9	71.8
felt depressed (6).....	15.1	14.2	13.6	16.4	14.8	15.7	15.3	13.2	13.7	13.1	18.2
felt like leaving college.....	46.8	44.9	37.2	53.6	43.4	42.5	40.2	46.7	48.5	47.8	54.4
felt overwhelmed (6).....	31.0	30.5	31.9	29.6	33.0	32.2	29.9	36.0	28.5	27.5	36.2
jogged (6).....	17.4	13.6	24.3	20.2	15.8	15.6	17.5	15.1	11.1	10.6	14.7
missed class due to illness (6).	2.6	2.0	1.5	3.3	2.9	2.8	3.1	2.8	3.1	3.3	1.7
participated in intramural sport	49.0	50.2	57.4	45.5	49.5	47.3	52.1	51.4	40.9	40.4	44.4
smoked cigarettes (6).....	9.6	9.1	5.5	10.4	10.6	13.7	9.9	6.1	16.7	16.4	19.1
stayed up all night.....	69.6	69.9	73.1	67.6	70.9	76.6	65.1	65.1	64.2	64.1	64.8
took interdisciplinary course...	42.5	40.4	51.9	38.0	47.5	50.7	40.7	46.2	23.7	23.9	22.1
tutored another student.....	47.8	48.3	48.1	45.4	50.1	51.7	48.8	48.3	42.3	42.5	40.6
worked on group proj in class...	77.0	72.1	74.0	80.1	79.4	78.9	75.8	82.1	82.9	83.2	80.2
worked on independent res proj..	41.6	32.7	36.4	44.3	49.7	54.3	47.9	43.4	45.6	45.3	47.6
Political Views in 1986											
far left.....	1.5	1.2	0.8	1.4	2.2	3.0	0.9	1.6	1.4	1.5	0.8
liberal.....	24.0	23.7	24.9	25.2	22.7	27.1	19.5	17.5	19.7	19.8	18.9
middle of the road.....	52.4	55.5	43.9	51.6	52.8	49.5	58.9	54.6	63.6	62.6	70.7
conservative.....	20.5	18.8	28.8	19.1	21.3	19.6	19.6	24.9	14.5	15.2	8.6
far right.....	1.6	0.7	1.7	2.7	1.0	0.8	1.1	1.4	0.9	0.8	1.1
Political Views in 1988											
far left.....	2.0	1.7	1.2	2.6	1.7	2.5	0.9	0.8	2.1	2.2	1.0
liberal.....	25.2	25.9	24.6	22.2	28.4	33.8	26.9	20.5	18.8	19.1	16.3
middle of road.....	46.8	46.5	38.2	52.0	43.3	39.2	47.1	47.8	62.5	61.8	67.8
conservative.....	25.3	25.3	35.0	22.6	25.6	22.9	24.6	30.6	15.6	15.7	14.8
far right.....	0.7	0.6	1.0	0.5	1.0	1.6	0.5	0.3	1.1	1.2	0.1

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1986											
with parents or relatives	11.3	9.6	6.5	14.7	10.7	11.2	11.7	9.5	27.4	29.2	13.8
other private home or apartment	27.3	28.3	18.6	32.2	23.2	18.7	24.7	28.9	27.6	27.6	26.9
college dormitory	45.6	44.4	64.9	35.8	52.1	54.5	51.1	49.0	32.2	30.9	41.5
fraternity or sorority house	7.4	10.1	4.6	7.7	5.0	5.3	4.9	4.6	3.9	3.7	5.3
other campus housing	6.2	5.1	3.9	6.6	7.7	8.5	6.0	7.2	2.8	2.5	4.8
other	2.3	2.5	1.5	3.0	1.4	1.7	1.6	0.8	6.3	6.1	7.7
Planned for Fall 1986											
with parents or relatives	17.4	14.4	12.6	27.0	10.5	9.2	16.9	8.9	51.6	54.1	31.4
other private home or apartment	2.9	4.1	1.6	2.6	2.1	3.3	2.6	0.1	12.7	14.1	1.1
college dormitory	75.8	75.4	83.9	67.0	84.3	84.5	78.3	87.4	33.1	29.1	65.3
fraternity or sorority house	0.7	1.0	0.1	0.4	0.8	0.4	0.2	1.7	0.1	0.0	0.9
other campus housing	2.8	4.7	1.5	2.0	2.1	2.6	1.9	1.5	1.6	1.8	0.0
other	0.5	0.4	0.2	1.0	0.2	0.0	0.1	0.3	1.0	0.9	1.4
First Year											
with parents or relatives	18.2	14.4	12.1	29.2	11.1	8.9	18.2	10.5	52.3	54.7	32.9
other private home,apt,room	3.5	5.7	2.1	3.5	1.7	1.9	2.5	1.0	11.7	12.8	2.8
college dormitory	75.7	76.9	81.8	64.4	85.9	87.7	77.3	87.9	33.1	29.4	63.2
frat or sorority house	0.5	1.0	0.9	0.2	0.2	0.1	0.0	0.5	0.0	0.0	0.0
other campus student housing	1.8	1.9	2.9	2.1	1.0	1.4	1.5	0.1	1.2	1.3	1.1
other	0.3	0.1	0.1	0.6	0.1	0.0	0.5	0.0	1.6	1.8	0.0
Second Year											
with parents or relatives	22.0	16.7	14.6	32.9	16.4	12.1	28.2	16.5	46.1	47.9	31.4
other private home,apt,room	16.1	25.6	14.2	13.3	9.7	12.3	7.4	6.9	16.9	17.9	8.9
college dormitory	51.5	45.3	59.1	45.6	63.5	65.6	51.5	67.5	31.4	28.5	55.6
frat or sorority house	4.6	7.2	5.5	2.1	4.5	5.8	1.1	4.4	0.1	0.1	0.0
other campus student housing	4.2	4.1	5.4	3.7	4.5	3.8	7.5	3.9	2.6	2.8	1.2
other	1.6	1.1	1.2	2.5	1.2	0.4	4.2	0.9	3.0	3.0	2.9
College Objectives Noted as Very Important or Essential											
conduct research	36.8	39.1	42.0	36.6	32.9	35.1	30.1	31.1	40.1	40.0	40.8
convey apprec. of liberal arts	46.4	35.7	55.4	38.9	64.5	63.2	62.7	67.6	32.2	30.3	48.4
develop clear thinking ability	75.5	70.9	85.7	73.3	80.0	81.7	80.2	77.2	71.4	71.5	71.2
develop creative capacities	53.6	47.1	54.1	54.9	58.7	60.5	60.6	54.7	55.9	55.3	60.7
develop moral character	48.1	34.3	59.0	47.1	60.9	54.0	74.1	64.4	49.0	47.3	63.2
develop religious convictions	19.4	6.7	34.6	14.7	34.6	24.7	49.6	41.8	14.4	10.5	46.4
develop responsible citizens	51.1	41.8	61.2	52.2	56.5	52.0	71.1	55.2	50.0	49.5	53.7
gain deeper level of understand.	44.2	30.2	52.1	44.2	57.1	55.8	65.6	54.3	46.3	45.5	52.9
increase self-directed learning	57.1	48.3	65.2	57.5	63.5	68.8	53.4	60.6	54.2	53.6	58.4
master knowledge in discipline	62.9	59.9	76.0	60.1	65.4	69.2	57.5	63.9	47.0	46.1	54.6
prepare students for employment	71.4	69.2	74.6	75.1	68.2	63.9	77.3	70.0	69.3	69.2	69.9
prepare students for family liv.	25.5	19.3	30.6	26.4	29.6	25.6	35.4	32.6	31.0	29.9	40.6
prepare students for grad school	49.6	44.4	63.6	47.5	53.5	51.8	53.2	56.2	42.0	42.0	41.4
provide for emotional develop	38.1	29.2	47.0	37.7	45.6	41.8	57.2	45.0	37.8	36.4	49.1
provide skilled workers for bus.	46.8	43.1	50.5	49.5	46.3	43.4	58.1	44.3	54.2	53.7	58.2
provide tools for living in soc.	57.8	52.3	66.7	56.8	62.2	63.0	61.7	61.2	48.0	48.1	46.5

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Personal Objectives Noted as Very Important or Essential in 1986											
achieve in a performing art.....	12.4	11.0	12.2	12.4	13.7	17.2	7.7	11.7	9.2	8.5	14.4
be expert on finance/commerce...	27.5	26.9	30.3	31.0	23.0	22.3	25.5	22.5	19.0	19.9	11.9
be involved in environ cleanup..	16.4	14.9	13.4	18.1	16.9	19.6	11.3	15.7	14.8	14.6	16.4
be successful in own business...	48.4	46.4	45.6	52.7	46.2	45.9	46.8	46.4	47.8	47.7	48.8
be very well off financially....	72.3	74.4	69.2	75.7	67.1	67.2	70.5	64.9	76.1	76.2	75.2
become authority in my field....	73.4	74.0	74.2	74.4	71.1	71.6	65.7	73.5	69.5	70.4	62.5
create artistic work.....	12.9	11.5	13.5	13.5	13.4	18.3	7.2	9.2	10.0	8.8	19.6
develop philosophy of life.....	43.4	43.1	51.0	38.7	47.1	50.7	43.1	43.8	33.4	33.5	32.3
have admin. responsibility.....	44.5	43.7	45.8	48.1	40.6	40.7	41.3	40.1	42.6	42.8	41.8
help others in difficulty.....	59.1	55.7	59.7	58.6	63.1	64.0	59.8	63.7	50.1	51.0	42.4
influence political structure...	17.6	14.3	20.6	19.5	17.9	20.0	18.1	14.3	10.3	10.1	12.4
influence social values.....	34.6	29.9	38.5	35.7	36.8	38.8	32.5	36.2	28.2	29.0	22.0
obtain recog from colleagues....	56.7	57.9	54.6	59.6	52.7	55.3	43.8	53.6	53.1	53.2	51.6
participate in community action.	20.5	18.1	23.2	20.6	21.9	24.1	21.9	18.5	13.1	12.5	17.1
promote racial understanding....	30.2	26.0	33.3	30.4	33.3	38.7	31.3	26.1	22.6	22.1	26.3
raise a family.....	68.6	67.9	74.7	67.4	68.8	63.4	73.2	74.9	65.6	64.5	74.0
theoretical contrib. to science.	14.3	16.6	16.1	14.4	11.1	12.7	9.9	9.4	10.1	10.6	5.6
write original works.....	13.8	11.7	15.0	15.0	14.1	18.1	10.4	10.1	10.5	10.9	8.0
in 1988											
achieve in a performing art.....	9.8	9.4	11.2	8.4	11.6	13.6	8.6	10.2	7.7	6.5	17.0
be expert on finance/commerce...	22.3	22.4	26.3	21.8	21.7	21.1	20.2	23.4	17.6	18.2	12.6
be involved in environ cleanup..	22.3	20.6	21.5	22.9	23.6	28.0	20.5	18.3	21.8	22.5	15.9
be successful in own business...	41.4	38.8	40.4	43.9	41.4	43.6	42.5	37.4	40.0	40.3	37.0
be very well off financially....	61.2	63.6	57.5	64.6	55.7	56.4	54.1	55.4	69.1	70.2	60.2
become authority in my field....	67.5	66.8	68.1	68.5	66.7	66.4	64.1	68.5	65.6	65.6	65.9
create artistic work.....	14.3	13.2	16.2	12.7	16.8	18.9	18.4	12.4	12.6	11.5	21.0
develop philosophy of life.....	46.7	43.6	56.2	45.7	48.2	50.5	47.8	44.9	38.3	36.4	53.1
get married.....	63.7	65.8	71.6	59.8	63.7	63.0	59.5	67.3	62.8	61.8	70.8
have admin. responsibility.....	42.3	40.8	42.5	45.9	39.4	38.2	40.6	40.7	46.4	46.9	42.5
help others in difficulty.....	62.1	57.4	66.3	61.2	67.1	65.6	65.6	70.1	62.0	61.0	70.1
influence political structure...	18.9	15.5	21.3	20.5	19.9	22.1	18.9	17.0	15.1	14.9	16.2
influence social values.....	39.1	31.1	43.0	39.2	46.5	47.4	45.8	45.5	38.8	38.0	44.6
obtain recog from colleagues....	49.5	49.4	47.1	48.6	51.3	54.1	43.8	51.3	53.0	52.5	57.1
participate in community action.	21.6	16.9	25.1	20.6	27.1	28.8	23.7	26.4	21.0	21.0	21.1
promote racial understanding....	33.4	29.2	39.2	32.0	38.0	41.5	35.5	33.8	26.2	26.0	28.1
raise a family.....	66.2	66.6	73.7	62.9	67.5	66.3	63.0	72.2	66.7	65.7	75.0
theoretical contrib. to science.	10.9	12.7	11.7	9.3	10.5	13.2	7.7	8.0	11.2	11.5	8.2
write original works.....	13.5	12.8	16.1	11.5	16.0	19.0	14.2	12.1	11.5	11.2	14.1
Permission to Use I.D. in 1986											
yes.....	81.8	84.9	80.7	80.6	80.3	80.4	82.0	79.4	77.2	77.9	71.9
no.....	18.2	15.1	19.3	19.4	19.7	19.6	18.0	20.6	22.8	22.1	28.1
Permission to Use I.D. in 1988											
yes.....	70.2	71.4	69.5	67.8	72.1	71.4	72.9	72.8	69.8	69.8	70.4
no.....	29.8	28.6	30.5	32.2	27.9	28.6	27.1	27.2	30.2	30.2	29.6

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agrees Strongly or Somewhat in 1986											
abortion should be legalized....	62.8	66.4	59.7	64.3	58.1	66.0	45.2	53.0	55.3	57.0	41.9
activities of women best in home	18.4	14.6	16.7	21.8	18.6	16.3	23.9	19.2	20.3	20.4	19.8
busing OK to achieve balance....	52.8	51.3	48.8	51.6	57.3	59.6	56.6	54.0	62.3	61.6	68.2
college raises earning power....	66.8	68.3	56.2	72.3	61.7	60.0	63.3	63.5	78.0	77.8	79.6
college regulate off-campus acts	10.4	7.1	11.0	12.5	11.0	10.5	11.3	11.6	12.5	12.4	13.5
gov't not promoting disarmament.	66.7	66.1	67.3	65.3	69.0	71.1	71.3	64.2	65.1	65.3	63.5
high school grading too easy....	51.4	54.2	60.6	47.2	50.7	51.7	47.8	50.9	43.3	43.9	38.2
increase military spending.....	26.7	24.8	23.1	32.0	23.1	24.3	18.9	23.5	25.4	25.1	27.1
live together before marriage...	51.1	52.7	46.1	52.5	49.2	54.2	46.0	43.3	56.0	57.4	45.3
marijuana should be legalized...	20.7	23.2	18.4	19.3	20.6	26.7	17.7	12.7	24.6	24.8	22.8
national health care plan needed	59.1	56.1	53.1	61.9	60.7	63.6	56.6	58.5	68.1	67.6	72.2
no coll invest in S Africa co's.	49.8	52.9	54.2	45.8	50.0	51.9	45.2	49.8	39.3	38.6	44.8
prohibit homosexual relations...	47.6	41.7	43.1	53.1	48.3	44.5	49.3	53.6	57.4	57.3	57.8
raise taxes to reduce deficit...	24.9	25.7	26.6	22.9	26.1	27.6	21.6	26.2	17.4	17.6	16.1
students help evaluate faculty..	73.8	75.6	78.6	70.8	74.1	75.9	73.5	71.5	69.3	69.8	65.3
in 1988											
abortion should be legalized....	60.2	66.9	53.8	59.3	56.1	61.2	43.3	55.4	51.0	51.5	46.4
activities of women best in home	14.0	12.6	15.6	14.7	14.3	14.4	12.0	15.5	17.8	17.1	23.2
busing OK to achieve balance....	45.2	44.0	46.9	42.4	49.7	53.9	50.3	42.5	45.6	46.0	42.6
college grading too easy.....	19.3	15.7	19.7	19.9	22.4	25.2	21.5	18.3	16.4	16.1	18.9
college raises earning power....	51.4	52.9	43.8	56.6	45.7	44.7	46.4	46.9	61.3	61.7	58.3
college regulate off-campus acts	8.4	5.7	11.5	9.4	8.9	9.3	6.5	9.8	9.5	9.4	10.1
employers can require drug test.	65.1	63.0	67.8	65.7	65.9	62.3	70.3	69.1	68.2	68.9	62.1
gov't not promoting disarmament.	65.3	60.7	61.2	67.6	68.9	70.5	69.6	66.1	69.0	69.0	69.0
increase military spending.....	23.6	22.3	20.6	25.8	23.4	23.8	18.1	25.7	26.7	27.5	20.7
live together before marriage...	48.6	52.0	41.9	48.8	46.7	53.1	41.3	39.5	54.6	56.7	37.6
mandatory testing for AIDS.....	53.8	52.1	48.0	56.5	54.0	50.6	58.7	56.6	65.9	66.1	64.3
marijuana should be legalized...	23.2	25.4	20.7	23.0	21.9	25.3	17.1	19.1	22.4	22.6	21.0
national health care plan needed	64.9	60.7	55.5	68.2	68.6	73.0	71.6	59.7	70.0	70.9	62.8
no coll invest in S Africa co's.	52.8	51.9	56.6	50.9	54.9	60.8	46.3	50.4	41.8	42.9	33.0
prohibit homosexual relations...	36.3	31.5	34.7	40.9	36.3	31.9	39.4	41.6	48.0	47.8	48.9
raise taxes to reduce deficit...	27.0	29.2	32.7	24.3	26.1	26.7	22.2	27.4	20.7	21.9	11.6
sex OK if people like each other	46.6	52.5	43.1	45.4	42.5	48.8	35.1	36.7	47.5	48.8	36.3
students help evaluate faculty..	84.4	85.9	87.3	81.9	84.9	84.4	85.2	85.6	81.7	82.3	77.0

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
None											
studying/doing homework	1.7	1.8	1.2	2.4	0.9	1.4	0.6	0.3	1.4	1.5	0.5
socializing with friends	0.3	0.2	0.4	0.5	0.3	0.4	0.1	0.2	0.5	0.4	0.6
talk with faculty outside class	17.3	18.5	13.4	19.8	14.0	13.6	16.1	13.5	21.3	22.4	12.5
exercising/sports	6.5	5.7	2.8	7.2	7.6	7.2	8.9	7.6	6.5	6.6	5.7
using a personal computer	49.3	46.4	50.7	50.4	50.5	50.7	53.7	48.4	54.1	54.6	50.2
partying	17.6	15.4	18.0	16.9	20.8	19.7	13.1	27.1	18.2	17.8	21.6
working (for pay)	28.0	27.0	35.1	25.4	30.0	29.3	25.4	33.7	20.6	20.2	23.6
volunteer work	52.7	57.4	43.8	55.1	47.7	49.8	46.7	44.9	57.3	55.8	68.6
student clubs/groups	28.1	27.3	18.7	32.7	26.3	27.8	24.7	24.8	44.4	45.1	38.5
watching TV	6.8	6.0	9.0	6.3	7.7	9.3	8.7	4.5	4.1	3.9	6.0
religious services/meetings	32.6	37.9	28.9	31.3	29.7	35.7	20.5	25.5	36.0	36.1	35.4
hobbies	9.5	10.2	9.2	10.3	7.9	7.2	8.9	8.4	7.4	7.7	5.5
Six or More											
studying/doing homework	52.2	49.1	62.1	47.5	57.9	58.4	58.9	56.7	43.5	44.2	38.0
socializing with friends	83.1	84.9	84.8	82.4	81.7	80.8	84.7	81.3	80.3	79.8	83.6
talk with faculty outside class	8.4	7.5	7.5	7.9	10.2	10.2	8.5	11.2	8.8	8.7	9.5
exercising/sports	55.8	54.9	62.4	56.7	53.4	52.7	51.4	55.8	50.3	51.4	41.1
using a personal computer	9.4	10.8	7.8	9.8	8.1	8.2	8.5	7.6	10.5	10.5	10.8
partying	37.6	41.9	34.6	37.8	33.8	36.2	36.6	28.4	38.5	38.0	42.4
working (for pay)	60.1	63.2	51.4	62.6	56.4	57.1	64.4	50.7	69.2	70.0	63.2
volunteer work	6.4	5.5	7.4	5.7	7.9	7.5	8.2	8.3	7.9	8.0	6.4
student clubs/groups	18.2	16.9	25.1	16.8	19.2	17.4	19.2	22.3	12.4	12.8	9.2
watching TV	39.6	39.2	28.9	43.3	38.9	37.7	36.9	41.9	45.5	45.3	47.0
religious services/meetings	5.2	3.3	6.7	4.9	7.2	7.6	3.1	9.1	5.1	5.2	4.8
hobbies	30.3	29.8	23.8	32.0	30.9	32.9	30.3	28.0	31.2	31.4	29.3
Sixteen or More											
studying/doing homework	10.0	9.3	16.2	8.0	11.2	12.0	10.7	10.3	5.2	5.3	4.4
socializing with friends	39.7	40.1	33.9	42.1	38.2	40.0	34.2	37.7	37.8	37.3	42.0
talk with faculty outside class	1.2	1.4	1.0	1.0	1.3	1.4	1.0	1.2	1.4	1.4	1.5
exercising/sports	20.4	18.2	22.5	23.6	18.1	18.7	19.5	16.3	15.7	15.8	14.5
using a personal computer	1.5	1.3	1.0	1.8	1.5	1.6	1.3	1.5	2.8	3.0	1.1
partying	10.5	10.3	6.4	13.3	8.4	8.0	9.4	8.6	11.7	11.7	11.2
working (for pay)	36.0	37.9	27.3	39.4	32.5	32.5	34.1	31.7	45.5	46.6	36.8
volunteer work	1.7	1.2	1.8	1.9	1.7	1.0	1.9	2.7	2.3	2.6	0.3
student clubs/groups	3.4	2.8	4.0	3.8	3.5	2.6	4.6	4.3	3.2	3.2	2.8
watching TV	8.4	6.5	5.0	11.5	7.7	8.0	5.8	8.3	9.4	9.1	11.6
religious services/meetings	0.9	0.2	0.8	0.4	2.1	2.9	1.7	1.3	2.0	2.2	0.4
hobbies	6.2	5.5	4.4	7.9	5.6	5.7	7.1	4.5	8.4	9.0	3.4

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
None											
attending classes/lab sessions..	1.9	1.8	1.5	2.1	1.8	0.9	1.3	3.5	2.7	2.3	6.3
studying/doing homework.....	0.2	0.1	0.0	0.3	0.1	0.0	0.0	0.3	0.5	0.6	0.0
socializing with friends.....	0.2	0.2	0.0	0.4	0.2	0.3	0.1	0.0	0.3	0.4	0.0
talk with faculty outside class.	10.9	15.2	11.7	11.7	5.0	4.4	6.4	5.1	9.2	9.7	5.2
exercising/sports.....	4.9	4.2	2.8	5.9	5.2	6.3	3.9	4.2	7.6	8.2	2.5
reading for pleasure.....	24.3	27.1	23.3	23.5	22.4	22.1	20.3	24.0	25.8	24.5	36.9
using a personal computer.....	41.0	42.7	33.9	43.2	38.6	40.4	36.3	36.9	44.5	43.8	50.3
partying.....	13.9	11.1	13.4	14.9	16.0	16.3	7.9	20.1	19.4	20.1	13.9
working (for pay).....	35.9	38.9	37.5	36.0	32.0	33.9	24.1	33.4	30.0	32.1	11.7
volunteer work.....	67.4	70.9	57.5	71.1	62.1	61.3	56.9	66.2	72.1	73.0	64.6
student clubs/groups.....	43.6	47.1	36.8	47.8	36.4	34.9	33.8	40.2	58.5	59.3	51.8
watching TV.....	10.3	8.9	16.1	9.1	11.6	14.6	8.8	8.5	7.9	8.3	4.6
commuting to campus.....	56.1	50.1	62.6	49.7	68.7	71.3	58.3	70.3	31.1	29.4	45.4
religious services/meetings.....	52.7	60.7	45.4	51.4	47.6	55.1	33.7	43.5	54.6	55.5	47.5
hobbies.....	21.4	22.8	24.4	22.2	17.8	17.2	18.9	18.2	22.2	22.3	22.0
Six or More											
attending classes/lab sessions..	87.6	86.8	92.8	85.5	89.3	88.2	90.2	90.6	83.1	84.6	70.6
studying/doing homework.....	74.6	77.1	86.2	67.7	76.7	78.1	73.2	76.5	70.4	70.5	69.7
socializing with friends.....	79.4	83.4	87.1	72.9	80.4	79.6	76.0	84.1	68.0	66.8	77.4
talk with faculty outside class.	1.7	0.9	0.9	1.9	2.7	2.9	2.8	2.2	2.8	2.5	5.7
exercising/sports.....	30.4	29.2	36.9	29.4	30.8	28.1	32.0	34.5	25.1	25.2	24.1
reading for pleasure.....	6.2	5.1	5.6	7.4	6.1	7.0	4.2	5.8	7.2	7.5	5.3
using a personal computer.....	10.0	9.1	12.6	10.1	10.1	12.4	8.6	7.4	10.8	11.5	4.8
partying.....	33.0	38.6	31.6	28.9	32.2	32.1	34.5	31.0	27.7	28.4	21.8
working (for pay).....	53.3	51.2	49.7	54.8	54.7	53.3	65.3	51.0	60.4	59.1	71.1
volunteer work.....	2.7	2.6	3.5	2.1	3.1	2.6	3.7	3.5	4.5	4.4	5.6
student clubs/groups.....	10.4	10.9	13.3	9.5	9.9	11.3	8.2	8.6	4.6	4.8	3.1
watching TV.....	27.4	29.6	20.7	30.9	22.6	21.9	20.5	24.9	27.6	28.3	21.8
commuting to campus.....	7.6	8.2	7.4	9.1	5.1	4.3	5.2	6.2	17.3	17.9	12.2
religious services/meetings.....	1.8	1.3	3.8	0.9	2.9	2.6	2.3	3.8	1.0	0.9	2.3
hobbies.....	10.7	11.5	8.0	10.7	10.8	11.2	10.3	10.4	12.6	13.1	8.6
Sixteen or More											
attending classes/lab sessions..	43.6	43.9	49.9	40.5	45.1	43.0	42.7	49.8	49.6	50.9	38.3
studying/doing homework.....	24.7	25.0	37.3	21.0	24.8	26.1	22.9	23.9	18.1	18.8	11.9
socializing with friends.....	33.3	34.5	36.3	31.2	33.7	34.1	32.5	33.8	25.0	25.4	21.9
talk with faculty outside class.	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0
exercising/sports.....	6.3	4.9	7.6	7.0	6.5	6.3	5.6	7.4	3.7	3.8	2.7
reading for pleasure.....	0.9	0.6	0.7	1.2	1.1	1.4	0.7	0.9	0.9	0.9	1.3
using a personal computer.....	2.1	2.1	2.0	2.3	1.8	2.1	1.3	1.5	2.6	2.6	2.2
partying.....	7.3	8.1	5.9	8.3	5.4	4.7	6.3	6.1	7.3	7.6	5.5
working (for pay).....	26.4	25.2	21.4	33.1	20.8	17.6	25.8	23.0	36.1	35.4	41.8
volunteer work.....	0.5	0.7	0.0	0.7	0.2	0.1	0.4	0.3	1.1	1.1	0.8
student clubs/groups.....	2.1	3.0	2.4	2.0	1.3	1.5	1.1	1.1	0.9	1.0	0.0
watching TV.....	5.6	5.2	3.3	8.0	3.7	3.1	2.8	5.1	7.3	7.7	4.1
commuting to campus.....	0.8	0.5	0.7	1.2	0.6	0.8	0.4	0.3	1.8	1.8	1.8
religious services/meetings.....	0.2	0.2	0.5	0.1	0.2	0.2	0.1	0.2	0.0	0.0	0.0
hobbies.....	2.0	1.7	0.3	2.1	2.9	2.5	1.9	4.2	3.1	3.3	0.8

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986 (7)											
artist (including performer)	8.3	6.8	7.2	7.9	10.7	13.8	5.4	8.8	5.9	4.3	18.1
businessman	23.7	22.7	21.1	25.6	23.3	19.9	29.2	25.4	20.1	20.3	19.1
clergy or religious worker	0.5	0.1	0.1	0.0	1.5	1.8	1.3	1.1	0.0	0.0	0.1
college teacher	0.6	0.4	0.6	0.6	0.8	0.8	0.6	0.9	0.2	0.1	0.9
doctor (MD or DDS)	5.8	9.6	9.6	2.2	5.2	5.2	5.5	5.0	1.8	1.8	1.4
education (secondary)	3.5	2.3	2.2	4.2	4.3	3.7	3.1	6.0	3.4	3.5	2.7
education (elementary)	5.6	2.7	0.7	8.1	7.1	5.3	10.3	8.2	4.7	5.0	1.7
engineer	8.2	12.9	12.6	6.1	4.4	6.8	3.0	1.5	11.9	13.3	0.9
farmer or forester	0.6	1.0	0.1	0.7	0.3	0.5	0.1	0.1	1.6	1.8	0.0
health professional (non-M.D.)	4.4	4.9	3.6	5.0	3.4	3.6	2.5	3.5	3.9	3.6	6.4
lawyer	5.2	5.2	7.6	3.9	5.9	5.9	6.6	5.5	1.7	1.6	2.7
nurse	1.7	1.0	1.4	2.7	1.3	0.4	2.7	1.9	2.4	2.4	2.2
scientific researcher	2.0	2.4	2.8	1.1	2.4	2.5	1.1	2.9	0.9	1.0	0.0
other choice	18.0	15.3	15.6	21.9	16.9	18.0	16.4	15.5	29.4	29.0	32.8
undecided	12.0	12.9	14.8	10.1	12.5	11.8	12.1	13.9	12.1	12.2	11.0
Probable Career in 1988 (7)											
artist (including performer)	8.4	7.0	8.4	8.6	9.7	12.5	6.3	7.1	4.0	3.4	8.6
businessman	24.7	26.1	26.6	24.4	22.8	19.8	29.6	23.8	24.0	24.1	23.4
clergy or religious worker	0.6	0.3	0.5	0.1	1.7	2.0	1.1	1.5	0.1	0.0	1.3
college teacher	1.0	1.0	1.1	0.8	1.3	1.7	0.8	1.1	0.7	0.7	0.1
doctor (MD or DDS)	4.0	6.4	7.2	1.8	3.2	3.3	4.8	2.2	0.7	0.7	1.1
education (secondary)	4.2	2.9	3.2	4.8	5.3	3.1	4.7	9.2	4.4	4.4	4.0
education (elementary)	6.8	5.4	2.4	9.0	7.0	6.7	4.9	8.8	6.8	6.6	8.5
engineer	5.7	8.2	9.6	4.3	3.2	4.5	1.9	1.8	10.5	11.6	1.6
farmer or forester	0.5	0.8	0.1	0.5	0.5	0.6	0.7	0.2	1.2	1.3	0.3
health professional (non-M.D.)	3.5	4.6	3.5	3.4	2.4	2.6	2.4	2.1	4.5	4.6	3.8
lawyer	6.2	5.9	8.5	5.4	6.7	8.6	5.5	4.2	2.4	2.6	0.5
nurse	1.9	1.2	2.0	2.5	1.7	1.3	3.0	1.6	2.6	2.4	4.6
scientific researcher	1.6	2.1	1.6	0.9	2.1	2.3	1.0	2.3	0.5	0.6	0.0
other choice	24.2	21.2	17.8	27.8	24.9	23.4	26.2	26.6	33.2	33.7	28.8
undecided	6.7	6.9	7.4	5.7	7.4	7.4	6.9	7.6	4.3	3.2	13.2
Reasons Noted as Very Important or Essential for Choosing Career											
can make contribution to society	59.8	54.2	65.4	62.0	61.4	61.0	58.8	63.5	53.8	52.0	67.9
enjoy working w/people in field	72.6	71.9	68.6	74.4	72.4	70.7	73.7	74.3	74.6	73.4	84.5
job opportunities available	65.7	65.3	57.9	71.6	61.2	59.2	65.0	62.1	80.3	80.7	77.1
oppty for freedom of action	61.8	62.5	68.6	57.7	64.2	66.0	64.9	60.8	60.7	60.4	63.3
oppty for rapid career advancmnt	48.1	47.9	46.0	52.0	44.0	43.9	45.1	43.3	57.3	57.4	56.5
pays well	58.1	61.3	55.4	61.1	51.8	52.3	60.0	46.1	66.2	67.3	56.8
satisfies parent's hopes	13.3	13.8	11.2	13.5	13.1	12.8	17.2	11.2	15.6	14.9	21.2
work is challenging	77.4	79.0	79.6	75.4	77.4	77.0	74.0	79.9	73.3	73.0	76.1
work is interesting	93.5	92.9	95.0	92.6	94.8	95.8	92.5	94.6	92.9	92.9	93.5

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (7)											
agriculture	1.2	1.9	0.1	1.6	0.2	0.3	0.0	0.3	3.9	4.3	0.8
biological sciences	4.3	5.9	5.2	2.7	4.4	4.8	2.6	4.9	3.0	3.1	2.6
business	25.2	24.8	22.2	27.8	23.5	17.1	31.9	28.5	26.5	26.5	26.1
education	8.6	4.6	2.1	12.6	9.9	7.7	8.3	14.1	7.5	7.8	5.6
engineering	9.8	13.4	14.8	9.5	4.7	6.3	3.5	3.1	12.4	13.7	2.2
English	1.8	1.5	2.2	1.7	2.2	2.9	1.4	1.6	0.6	0.6	0.5
health professional	7.9	9.3	9.5	7.4	6.7	6.1	8.3	6.7	5.1	4.7	8.6
history or political science	4.7	3.8	7.7	3.2	6.4	7.6	4.3	5.6	1.1	1.1	0.8
humanities	2.6	2.2	4.0	1.3	4.2	5.6	3.0	2.7	2.4	2.6	0.9
fine arts	4.9	3.8	3.5	3.1	8.7	10.9	9.7	5.0	5.3	3.9	16.5
mathematics or statistics	0.9	0.9	1.3	0.8	0.8	1.1	0.3	0.8	0.6	0.7	0.0
physical sciences	2.0	2.5	3.0	1.2	2.1	2.4	1.2	2.1	1.3	1.4	0.7
social sciences	5.8	4.6	5.6	5.0	8.1	8.3	9.0	7.2	3.4	3.6	1.8
other technical	4.7	3.8	3.7	6.1	4.2	5.7	3.6	2.2	10.1	10.1	10.4
other non-technical	8.3	8.3	6.3	10.1	6.5	6.9	6.7	5.8	11.5	10.7	18.3
undecided	7.3	8.7	8.7	5.8	7.4	6.5	6.1	9.6	5.2	5.3	4.3
Major Noted in 1988 (7)											
agriculture	0.8	1.8	0.0	0.4	0.5	0.6	0.5	0.3	1.9	2.1	0.8
biological sciences	4.8	7.0	5.4	2.8	4.8	4.2	5.5	5.3	1.8	1.9	1.5
business	23.7	23.1	18.3	26.0	23.2	17.9	32.1	26.7	29.5	29.8	26.5
education	9.6	6.6	3.1	13.1	10.4	8.9	8.0	14.4	10.0	9.9	10.9
engineering	6.7	9.0	12.3	5.9	3.4	4.4	1.8	2.8	9.7	10.7	1.3
English	3.5	3.7	3.4	2.2	4.8	5.1	4.1	4.6	1.5	1.6	1.3
health professional	4.8	5.0	5.8	5.5	3.4	2.7	4.7	3.7	5.0	4.7	7.4
history or political science	7.4	6.5	13.8	6.0	8.0	8.6	8.8	6.6	1.3	1.4	1.2
humanities	3.7	3.4	5.3	1.5	6.4	7.6	5.1	5.3	3.0	2.8	4.9
fine arts	5.5	4.2	3.8	4.6	8.5	11.2	7.4	4.8	4.0	3.4	8.2
mathematics or statistics	1.2	1.2	1.2	1.2	1.3	1.5	0.7	1.4	0.5	0.6	0.0
physical sciences	1.7	2.0	3.1	0.9	2.0	2.3	0.8	2.1	0.4	0.5	0.0
social sciences	9.9	10.0	11.2	7.4	12.5	13.2	9.9	12.9	6.3	6.2	7.2
other technical	5.1	4.2	2.9	8.3	2.8	3.2	2.9	2.0	10.6	11.1	7.1
other non-technical	9.6	10.6	8.5	11.6	6.6	7.6	6.7	4.9	13.4	12.7	18.9
undecided	2.0	1.7	1.8	2.7	1.4	1.0	1.1	2.1	0.9	0.7	3.0
Religious Preference in 1986 (8)											
Protestant	30.1	31.3	23.5	26.4	35.6	33.6	12.6	52.0	25.8	25.2	31.1
Roman Catholic	33.8	30.9	41.1	36.0	31.8	26.2	73.5	16.7	42.0	42.4	38.2
Jewish	4.0	5.2	5.8	3.0	3.2	5.7	0.2	1.0	3.8	4.2	0.5
other	20.3	17.1	18.6	24.2	19.4	20.7	8.9	23.3	17.4	16.3	26.1
none	11.8	15.5	11.0	10.4	10.0	13.8	4.8	6.9	11.0	11.9	4.1
Religious Preference in 1988 (7)											
Protestant	44.8	41.9	38.4	47.5	46.7	44.0	19.1	66.8	41.3	38.6	63.6
Roman Catholic	34.0	31.1	40.4	36.4	32.1	26.9	70.8	17.9	40.7	42.3	27.1
Jewish	3.4	5.3	5.3	1.8	2.9	5.3	0.1	0.5	4.1	4.5	0.5
other	4.6	4.9	2.3	4.8	4.7	6.2	1.4	4.1	5.6	5.8	4.2
none	13.2	16.8	13.6	9.5	13.7	17.5	8.6	10.7	8.4	8.8	4.5

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1986											
accountant or actuary	6.1	5.2	4.0	8.4	4.7	3.7	6.4	5.4	4.7	4.5	6.1
actor or entertainer	1.3	1.1	1.5	1.1	1.6	1.9	0.9	1.6	0.8	0.7	1.3
architect	0.8	1.2	1.0	0.4	0.7	0.5	0.2	1.4	2.9	2.7	4.0
artist	2.3	0.8	0.8	2.8	3.9	6.5	1.5	1.2	1.7	1.3	4.4
business (clerical)	0.5	0.2	0.4	0.7	0.5	0.3	0.5	0.8	3.2	3.1	3.7
business (management)	12.8	12.9	14.1	12.3	13.0	9.8	14.4	17.3	11.0	11.4	8.0
business owner or proprietor	2.9	2.9	2.3	2.9	3.0	2.4	5.4	2.6	2.3	2.2	3.3
business sales rep or buyer	1.9	1.6	0.7	1.9	2.6	4.0	3.1	0.1	2.1	2.2	1.7
clergy (minister,priest)	0.3	0.0	0.1	0.0	1.2	1.8	1.2	0.4	0.0	0.0	0.1
clergy (other religious)	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.7	0.0	0.0	0.0
clinical psychologist	1.8	1.6	0.6	1.2	3.2	2.8	2.6	4.3	0.6	0.6	0.5
college teacher	0.6	0.4	0.6	0.6	0.8	0.8	0.6	0.9	0.2	0.1	0.9
computer programmer	3.4	2.8	1.7	5.2	2.3	3.0	2.5	1.1	3.8	3.9	2.7
conservationist or forester	0.2	0.3	0.1	0.2	0.0	0.1	0.0	0.0	1.2	1.4	0.0
dentist (incl orthodontist)	0.7	1.1	0.5	0.6	0.5	0.6	0.1	0.5	0.3	0.2	0.4
dietitian or home economist	0.1	0.2	0.0	0.0	0.2	0.4	0.2	0.0	0.2	0.2	0.0
engineer	8.2	12.9	12.6	6.1	4.4	6.8	3.0	1.5	11.9	13.3	0.9
farmer or rancher	0.4	0.7	0.0	0.5	0.2	0.4	0.1	0.0	0.4	0.4	0.0
foreign service worker	1.1	0.9	3.0	0.5	1.5	1.5	1.7	1.3	0.4	0.5	0.0
homemaker	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.3
interior decorator	0.7	1.0	1.5	0.4	0.6	1.0	0.1	0.2	0.9	0.1	7.4
intepreter (translator)	0.6	0.4	0.4	0.3	1.1	1.9	0.2	0.4	0.0	0.0	0.3
lab technician or hygienist	0.5	0.3	0.3	0.8	0.3	0.5	0.3	0.1	1.5	1.5	1.5
law enforcement officer	0.6	0.4	0.2	0.6	0.8	0.9	2.2	0.0	1.5	1.7	0.5
lawyer	5.2	5.2	7.6	3.9	5.9	5.9	6.6	5.5	1.7	1.6	2.7
military service (career)	1.9	1.0	1.0	4.1	0.4	0.3	1.2	0.0	1.6	1.6	1.6
musician (performer,composer)	1.0	0.7	0.5	0.9	1.5	1.4	0.4	2.3	1.0	0.7	2.9
nurse	1.7	1.0	1.4	2.7	1.3	0.4	2.7	1.9	2.4	2.4	2.2
optometrist	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.5
pharmacist	0.9	0.9	1.0	1.0	0.5	0.7	0.0	0.6	0.4	0.5	0.2
physician	5.1	8.5	9.0	1.5	4.7	4.6	5.4	4.5	1.5	1.6	1.1
school counselor	0.2	0.2	0.1	0.4	0.1	0.1	0.0	0.1	1.5	1.7	0.6
school principal	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	2.0	2.4	2.8	1.1	2.4	2.5	1.1	2.9	0.9	1.0	0.0
social worker	1.2	0.4	1.2	1.7	1.2	1.7	0.6	0.7	2.3	2.5	0.0
statistician	0.1	0.1	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
therapist (phys,occup,speech)	2.0	2.3	1.2	2.6	1.3	0.9	1.4	1.9	1.5	1.3	3.1
teacher (elementary)	5.6	2.7	0.7	8.1	7.1	5.3	10.3	8.2	4.7	5.0	1.7
teacher (secondary)	3.2	2.0	2.0	3.6	4.3	3.6	3.1	5.9	1.9	1.9	2.0
veterinarian	0.8	1.2	0.9	0.4	0.9	1.2	0.6	0.7	0.2	0.1	1.0
writer or journalist	3.0	3.2	3.0	2.8	3.1	3.1	2.5	3.4	1.6	1.5	2.1
skilled trades	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.0	1.9
other	6.0	6.1	6.0	6.9	4.9	4.9	4.5	5.2	9.1	8.0	17.4
undecided	12.0	12.9	14.8	10.1	12.5	11.8	12.1	13.9	12.1	12.2	11.0

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1988											
accountant or actuary	5.9	5.0	6.8	7.6	4.5	4.1	7.2	3.6	3.4	3.6	1.9
actor or entertainer	0.9	0.7	1.9	1.0	0.6	0.3	0.9	1.0	0.3	0.2	1.0
architect	0.9	1.3	1.7	0.5	0.8	0.4	0.3	1.7	0.6	0.7	0.3
artist	2.6	1.5	1.2	2.6	4.2	7.4	0.5	1.3	1.3	0.9	4.5
business (clerical)	0.4	0.4	0.1	0.4	0.4	0.1	1.4	0.4	3.9	4.0	3.6
business (management)	13.9	14.8	15.2	13.0	13.7	12.0	14.1	16.4	14.7	14.7	14.9
business owner or proprietor	3.1	3.7	4.0	2.5	2.9	2.7	4.8	2.3	3.7	3.7	3.7
business sales rep or buyer	1.7	2.6	0.6	1.3	1.6	1.1	3.6	1.4	2.2	2.1	3.0
clergy (minister,priest)	0.4	0.1	0.3	0.1	1.3	1.7	1.1	0.6	0.1	0.0	0.6
clergy (other religious)	0.2	0.2	0.2	0.1	0.4	0.3	0.0	0.9	0.1	0.0	0.7
clinical psychologist	2.2	2.0	1.8	1.4	3.6	2.6	3.4	5.3	1.1	1.1	0.7
college teacher	1.0	1.0	1.1	0.8	1.3	1.7	0.8	1.1	0.7	0.7	0.1
computer programmer	3.2	2.5	2.1	5.0	1.9	2.2	1.9	1.3	2.7	2.8	2.4
conservationist or forester	0.4	0.4	0.1	0.4	0.4	0.6	0.7	0.1	1.1	1.2	0.3
dentist (incl orthodontist)	0.5	0.6	0.3	0.6	0.1	0.2	0.1	0.1	0.1	0.0	0.8
dietitian or home economist	0.2	0.3	0.0	0.2	0.1	0.0	0.4	0.1	0.3	0.2	0.6
engineer	5.7	8.2	9.6	4.3	3.2	4.5	1.9	1.8	10.5	11.6	1.6
farmer or rancher	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0
foreign service worker	1.6	1.5	2.5	0.7	2.6	2.6	4.0	2.0	0.9	0.8	1.4
homemaker	0.3	0.2	1.0	0.1	0.4	0.0	0.0	1.3	0.1	0.1	0.0
interior decorator	0.7	0.7	1.3	0.9	0.5	0.3	1.1	0.5	0.5	0.3	2.1
intepreter (translator)	0.5	0.1	0.1	0.4	1.1	2.1	0.3	0.0	0.0	0.0	0.0
lab technician or hygienist	0.4	0.5	0.0	0.5	0.4	0.6	0.0	0.1	1.2	1.2	0.8
law enforcement officer	1.2	1.0	0.2	1.9	0.9	1.3	1.4	0.2	2.5	2.3	4.8
lawyer	6.2	5.9	8.5	5.4	6.7	8.6	5.5	4.2	2.4	2.6	0.5
military service (career)	2.5	1.0	2.2	5.3	0.7	0.7	1.3	0.3	0.2	0.2	0.2
musician (performer,composer)	0.8	0.8	0.8	0.7	1.0	0.8	1.7	1.0	0.3	0.2	1.1
nurse	1.9	1.2	2.0	2.5	1.7	1.3	3.0	1.6	2.6	2.4	4.6
optometrist	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.0
pharmacist	0.4	0.4	0.9	0.3	0.6	0.7	0.6	0.3	0.7	0.8	0.0
physician	3.6	5.7	6.9	1.2	3.1	3.2	4.7	2.1	0.7	0.7	0.3
school counselor	0.4	0.3	0.0	0.6	0.5	0.2	0.8	1.0	0.4	0.4	0.1
school principal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
scientific researcher	1.6	2.1	1.6	0.9	2.1	2.3	1.0	2.3	0.5	0.6	0.0
social worker	1.6	1.0	0.8	1.5	2.7	3.0	1.8	2.8	2.6	2.5	3.4
statistician	0.2	0.3	0.1	0.0	0.3	0.0	1.4	0.1	0.1	0.1	0.0
therapist (phys,occup,speech)	1.8	2.6	1.6	1.9	0.7	0.4	1.4	1.0	2.1	2.2	1.8
teacher (elementary)	6.8	5.4	2.4	9.0	7.0	6.7	4.9	8.8	6.8	6.6	8.5
teacher (secondary)	3.8	2.6	3.2	4.2	4.8	3.0	4.0	8.1	4.0	4.0	3.9
veterinarian	0.5	0.6	0.9	0.2	0.5	0.7	0.0	0.5	0.2	0.1	0.6
writer or journalist	3.4	3.4	3.2	3.4	3.3	3.8	2.1	3.3	1.5	1.7	0.0
skilled trades	0.6	0.8	0.0	0.6	0.4	0.3	0.0	1.0	6.1	6.4	4.1
other	9.0	9.0	5.3	9.9	9.0	8.2	9.1	10.3	12.2	12.8	7.9
undecided	6.7	6.9	7.4	5.7	7.4	7.4	6.9	7.6	4.3	3.2	13.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1986 (disaggregated)											
ARTS AND HUMANITIES											
arts	2.6	1.7	1.2	1.8	4.9	7.9	2.8	1.6	2.6	1.9	8.6
English	1.8	1.5	2.2	1.7	2.2	2.9	1.4	1.6	0.6	0.6	0.5
history	0.8	0.5	1.4	0.5	1.1	1.4	0.6	1.1	0.1	0.0	0.7
journalism	1.9	2.9	1.6	1.8	1.0	0.8	1.3	1.0	0.8	0.7	1.7
language or literature	1.0	1.0	0.8	0.6	1.7	2.6	0.6	1.0	1.3	1.4	0.6
music	1.5	0.8	0.5	0.7	3.5	2.7	6.3	3.2	0.7	0.2	4.2
philosophy	0.2	0.2	0.2	0.0	0.4	0.5	0.8	0.1	0.0	0.0	0.0
speech	0.2	0.2	0.1	0.3	0.1	0.1	0.3	0.0	0.0	0.0	0.0
theater or drama	0.7	0.4	1.7	0.4	1.0	1.2	1.0	0.7	0.5	0.5	0.3
theology or religion	0.1	0.1	0.0	0.0	0.4	0.2	0.3	0.6	0.1	0.1	0.0
other humanities	0.6	0.5	1.2	0.4	0.7	1.0	0.5	0.3	0.5	0.5	0.0
BIOLOGICAL SCIENCES											
general biology	2.3	2.3	3.1	1.8	2.7	2.6	2.3	3.1	1.1	1.2	0.4
biochemistry or biophysics	0.5	0.9	0.6	0.2	0.5	0.7	0.2	0.4	0.2	0.2	0.0
botany	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
marine (life) science	0.6	0.9	0.5	0.5	0.5	0.7	0.0	0.5	0.8	0.6	2.2
microbiology or bacteriology	0.3	0.6	0.5	0.0	0.2	0.0	0.0	0.4	0.1	0.1	0.0
zoology	0.2	0.4	0.1	0.1	0.3	0.4	0.0	0.3	0.1	0.1	0.0
other biological sciences	0.3	0.6	0.5	0.1	0.3	0.4	0.2	0.3	0.5	0.6	0.0
BUSINESS											
accounting	6.5	5.2	6.1	8.8	5.0	3.2	7.7	6.3	6.0	5.7	7.7
business administration	7.0	6.1	4.6	7.2	8.4	4.9	10.4	12.6	6.3	6.2	7.2
finance	2.8	3.1	4.0	3.6	1.1	0.7	2.3	1.1	0.5	0.6	0.0
marketing	2.8	4.1	1.4	1.9	2.9	2.0	6.2	2.3	1.8	2.0	0.0
management	5.0	4.8	5.3	5.4	4.5	4.4	3.7	5.1	5.0	5.4	2.4
secretarial studies	0.1	0.0	0.0	0.1	0.3	0.1	0.3	0.6	4.6	4.4	6.2
other business	1.2	1.5	0.9	0.9	1.3	1.8	1.2	0.6	2.2	2.2	2.6
EDUCATION											
business education	0.3	0.0	0.2	0.6	0.2	0.0	1.0	0.0	0.2	0.2	0.0
elementary education	4.5	2.4	0.6	6.6	5.4	4.7	3.5	7.4	4.9	5.2	2.7
music or art education	0.3	0.3	0.0	0.4	0.2	0.0	0.1	0.7	0.0	0.0	0.0
physical education or recreation	1.0	0.3	0.2	1.9	0.9	0.2	0.8	2.2	0.7	0.7	1.3
secondary education	1.5	0.9	0.6	1.7	2.2	2.3	1.9	2.2	1.0	0.9	1.5
special education	0.5	0.2	0.3	0.9	0.5	0.4	0.5	0.5	0.6	0.6	0.0
other education	0.5	0.5	0.2	0.7	0.5	0.1	0.5	1.1	0.1	0.1	0.0
ENGINEERING											
aeronautical/astronautical eng	2.1	2.7	2.0	2.9	0.5	0.9	0.2	0.1	1.8	2.0	0.6
civil engineering	0.9	1.0	1.4	1.3	0.2	0.2	0.6	0.1	1.1	1.2	0.3
chemical engineering	0.7	1.0	1.2	0.4	0.4	0.4	0.3	0.4	0.6	0.7	0.3
electrical engineering	2.9	5.0	4.1	1.9	1.6	2.3	1.3	0.7	5.5	6.1	0.6
industrial engineering	0.4	0.6	0.6	0.2	0.2	0.2	0.1	0.3	0.5	0.5	0.0
mechanical engineering	1.6	1.5	2.9	1.4	1.5	1.9	0.7	1.3	1.5	1.7	0.2
other engineering	1.2	1.5	2.7	1.3	0.3	0.4	0.3	0.2	1.4	1.6	0.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
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ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1986 (continued)											
PHYSICAL SCIENCES											
astronomy	0.1	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.2	0.2	0.0
atmospheric science	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.0	0.1	0.1	0.0
chemistry	0.8	1.0	0.9	0.5	1.0	1.2	0.6	0.9	0.6	0.6	0.7
earth science	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.0
marine science	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	0.8	0.8	1.2	0.8	0.7	0.9	0.3	0.7	0.6	0.7	0.0
physics	0.6	0.6	1.6	0.3	0.7	0.9	0.2	0.7	0.2	0.3	0.0
statistics	0.1	0.1	0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0
other physical sciences	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.6	1.0	1.7	0.3	0.2	0.2	0.2	0.2	2.0	1.8	3.7
home economics	0.7	1.0	0.1	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0
health technology	0.8	1.0	0.3	0.8	0.8	1.2	0.3	0.6	1.7	1.4	4.6
library science	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
nursing	1.8	1.1	1.5	2.6	1.5	0.8	2.5	1.9	2.5	2.3	4.1
pharmacy	0.6	0.4	0.8	1.0	0.3	0.3	0.1	0.4	0.4	0.4	0.0
premed,predent,prevet	3.9	5.8	6.3	1.7	3.8	4.1	4.4	3.0	1.0	0.9	1.5
therapy	1.7	2.0	1.0	2.1	1.1	0.9	1.3	1.5	1.3	1.1	3.0
other professional	0.8	0.9	0.3	0.8	0.9	0.6	1.2	1.2	1.4	1.3	2.2
SOCIAL SCIENCES											
anthropology	0.1	0.2	0.0	0.1	0.2	0.2	0.4	0.0	0.1	0.1	0.0
economics	0.6	0.4	1.9	0.1	1.1	1.4	1.0	0.7	0.0	0.0	0.1
ethnic studies	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.1	0.0	0.2	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0
political science	3.9	3.2	6.4	2.7	5.2	6.2	3.8	4.5	1.0	1.1	0.2
psychology	3.7	3.1	2.5	3.3	5.1	4.6	6.2	5.3	1.5	1.5	1.7
social work	0.6	0.4	0.4	0.8	0.8	1.2	0.1	0.6	1.3	1.4	0.0
sociology	0.4	0.1	0.2	0.5	0.6	0.7	0.3	0.7	0.0	0.0	0.0
women's studies	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.2	0.3	0.3	0.0	0.2	0.3	0.7	0.0	0.4	0.5	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.1	1.2	0.0
data processing	1.2	0.9	0.2	1.5	1.3	1.8	1.2	0.7	2.6	2.6	2.6
drafting or design	0.4	0.4	1.2	0.0	0.7	1.0	0.5	0.3	2.2	2.3	1.9
electronics	0.3	0.0	0.2	0.7	0.0	0.1	0.0	0.0	0.4	0.5	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0
other technical	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.8	0.7	1.2
OTHER											
agriculture	1.0	1.6	0.1	1.5	0.1	0.1	0.0	0.0	2.8	3.0	0.8
communications	3.2	2.2	3.0	4.6	2.7	2.9	1.6	2.9	2.2	2.0	3.4
computer science	2.0	1.5	1.7	3.1	1.3	1.7	1.6	0.5	1.7	1.9	0.0
forestry	0.2	0.3	0.0	0.1	0.2	0.1	0.0	0.3	1.1	1.2	0.0
law enforcement	0.8	0.5	0.9	1.0	1.0	1.2	2.1	0.0	2.0	2.1	0.9
military science	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.0	1.2	1.4	0.0
other fields	0.7	0.9	0.4	0.6	0.7	1.0	0.1	0.5	2.6	1.7	10.2
undecided	7.3	8.7	8.7	5.8	7.4	6.5	6.1	9.6	5.2	5.3	4.3

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (disaggregated)											
ARTS AND HUMANITIES											
arts	3.6	2.3	1.7	3.3	6.0	8.9	3.4	2.6	2.8	2.5	5.3
English	3.5	3.7	3.4	2.2	4.8	5.1	4.1	4.6	1.5	1.6	1.3
history	2.1	1.5	4.2	1.5	2.9	3.6	1.9	2.3	0.0	0.0	0.1
journalism	2.0	2.5	2.3	2.2	1.2	1.4	0.6	1.1	1.6	1.8	0.0
language or literature	1.2	1.0	1.2	0.4	2.4	3.2	1.5	1.5	0.7	0.5	2.1
music	0.9	0.6	0.8	0.5	1.9	1.9	1.5	2.2	0.4	0.1	2.8
philosophy	0.5	0.4	1.4	0.3	0.7	0.5	0.9	0.8	0.0	0.0	0.0
speech	0.3	0.3	0.3	0.3	0.4	0.1	2.2	0.0	0.1	0.2	0.0
theater or drama	0.8	0.9	0.8	0.5	1.2	1.0	1.2	1.3	0.4	0.5	0.0
theology or religion	0.3	0.1	0.0	0.0	1.2	1.5	0.4	1.0	0.1	0.0	0.6
other humanities	0.9	1.1	1.9	0.4	1.0	1.3	1.0	0.6	1.9	1.8	2.2
BIOLOGICAL SCIENCES											
general biology	3.0	4.4	3.6	1.8	2.9	2.2	3.9	3.4	0.7	0.8	0.1
biochemistry or biophysics	0.5	0.9	0.6	0.1	0.4	0.1	0.9	0.5	0.4	0.4	0.0
botany	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
marine (life) science	0.2	0.2	0.2	0.3	0.3	0.4	0.0	0.3	0.0	0.0	0.0
microbiology or bacteriology	0.2	0.5	0.4	0.0	0.1	0.0	0.6	0.1	0.2	0.1	0.8
zoology	0.2	0.4	0.0	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.0
other biological sciences	0.6	0.6	0.5	0.4	1.0	1.3	0.1	0.9	0.5	0.5	0.5
BUSINESS											
accounting	6.4	5.3	6.7	7.8	5.9	5.0	6.7	6.8	4.3	4.3	4.8
business administration	6.4	4.4	4.1	7.9	7.5	5.6	7.4	10.6	10.0	10.4	7.0
finance	2.6	3.6	3.1	2.2	1.6	1.3	2.9	1.5	0.7	0.7	0.2
marketing	2.8	4.0	1.3	2.4	2.4	1.8	3.5	2.6	2.6	2.9	0.0
management	3.6	3.8	1.9	4.0	3.7	3.5	4.1	3.6	5.2	4.8	8.6
secretarial studies	0.5	0.1	0.0	0.3	1.3	0.0	6.1	0.5	4.9	5.0	3.3
other business	1.4	1.8	1.1	1.5	1.0	0.7	1.3	1.2	1.8	1.7	2.5
EDUCATION											
business education	0.2	0.0	0.0	0.5	0.2	0.2	0.0	0.3	0.1	0.0	1.1
elementary education	5.3	3.5	1.3	7.5	5.8	4.6	5.0	8.2	6.7	7.0	4.5
music or art education	0.3	0.1	0.1	0.4	0.5	0.4	0.2	0.7	0.1	0.1	0.1
physical education or recreation	1.0	0.9	0.3	1.0	1.3	0.4	1.4	2.9	1.0	0.8	2.3
secondary education	1.7	1.3	0.7	2.4	1.5	1.4	0.7	2.0	1.6	1.6	1.7
special education	0.8	0.6	0.7	0.9	0.9	1.6	0.4	0.0	0.2	0.2	0.0
other education	0.3	0.3	0.0	0.5	0.3	0.3	0.2	0.2	0.3	0.2	1.1
ENGINEERING											
aeronautical/astronautical eng.	0.6	0.8	0.5	0.9	0.2	0.4	0.1	0.1	0.8	0.8	0.4
civil engineering	1.0	1.2	1.5	1.3	0.2	0.4	0.4	0.0	1.3	1.5	0.0
chemical engineering	0.4	0.7	0.7	0.1	0.3	0.4	0.0	0.3	0.3	0.3	0.3
electrical engineering	1.7	2.6	3.4	1.1	1.1	1.5	0.4	0.7	4.4	5.0	0.0
industrial engineering	0.3	0.6	0.9	0.1	0.1	0.2	0.0	0.0	0.3	0.3	0.4
mechanical engineering	1.7	1.8	3.7	1.4	1.4	1.4	0.7	1.6	1.2	1.3	0.2
other engineering	0.9	1.4	1.6	0.9	0.1	0.2	0.3	0.0	1.3	1.5	0.0

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (continued)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
atmospheric science	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.7	0.9	1.3	0.2	1.0	1.0	0.6	1.2	0.2	0.2	0.0
earth science	0.2	0.3	0.3	0.2	0.2	0.2	0.0	0.3	0.0	0.0	0.0
marine science	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	1.2	1.1	1.0	1.1	1.3	1.4	0.7	1.4	0.5	0.5	0.0
physics	0.5	0.6	1.1	0.2	0.7	1.0	0.2	0.6	0.1	0.1	0.0
statistics	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
other physical sciences	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.7	1.1	1.1	0.5	0.2	0.3	0.2	0.1	0.6	0.6	0.1
home economics	0.6	0.4	0.0	1.5	0.1	0.0	0.2	0.0	0.1	0.1	0.0
health technology	0.6	0.6	0.6	0.8	0.4	0.6	0.1	0.3	1.0	1.0	1.0
library science	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0
nursing	1.6	1.1	1.8	2.3	1.4	0.8	2.3	1.6	2.8	2.6	4.0
pharmacy	0.3	0.3	0.9	0.1	0.3	0.5	0.2	0.0	0.6	0.7	0.0
premed,predent,prevet	1.3	1.7	2.0	0.7	1.3	1.1	1.3	1.6	0.4	0.4	1.1
therapy	1.5	1.8	1.1	2.3	0.4	0.3	0.8	0.4	1.1	1.0	2.3
other professional	0.8	1.1	1.1	0.9	0.2	0.1	0.0	0.5	1.3	1.2	1.6
SOCIAL SCIENCES											
anthropology	0.3	0.1	0.9	0.2	0.3	0.5	0.2	0.1	0.0	0.0	0.0
economics	1.7	2.5	3.0	0.6	1.6	2.5	0.8	0.6	0.3	0.4	0.2
ethnic studies	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
geography	0.2	0.0	0.2	0.4	0.1	0.1	0.0	0.3	0.1	0.1	0.0
political science	5.3	5.0	9.6	4.5	5.1	4.9	6.8	4.4	1.3	1.4	1.0
psychology	5.2	5.3	4.9	3.6	7.0	6.3	6.3	8.4	3.4	3.4	3.6
social work	0.6	0.4	0.4	0.7	0.9	0.7	0.4	1.5	1.4	1.5	0.5
sociology	1.5	1.0	0.9	1.7	2.1	2.3	1.9	2.0	0.7	0.4	2.9
women's studies	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.3	0.4	0.6	0.2	0.4	0.7	0.3	0.0	0.4	0.5	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.6	0.0
data processing	1.1	0.8	0.6	1.8	0.9	1.2	0.4	0.6	1.6	1.7	1.0
drafting or design	0.5	1.0	0.7	0.2	0.2	0.1	0.6	0.2	1.7	1.7	1.7
electronics	0.6	0.1	0.0	1.4	0.2	0.0	0.2	0.5	0.5	0.6	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.1	0.0
other technical	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	1.3	1.2	2.2
OTHER											
agriculture	0.6	1.5	0.0	0.2	0.3	0.5	0.0	0.3	1.0	1.1	0.1
communications	3.5	3.6	3.3	3.9	2.9	3.3	2.8	2.3	1.8	1.6	3.5
computer science	2.2	1.6	1.0	3.8	1.1	1.3	1.6	0.6	1.7	1.8	1.2
forestry	0.2	0.4	0.0	0.2	0.1	0.1	0.5	0.0	0.9	1.0	0.6
law enforcement	1.2	1.0	0.6	1.7	1.1	1.6	1.4	0.0	3.6	3.3	5.5
military science	0.3	0.2	0.2	0.5	0.2	0.2	0.1	0.1	0.0	0.0	0.0
other fields	1.2	1.8	1.0	0.9	1.0	0.9	1.3	0.9	3.6	3.0	8.3
undecided	2.0	1.7	1.8	2.7	1.4	1.0	1.1	2.1	0.9	0.7	3.0

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Studying/Doing Homework											
none	1.7	1.8	1.2	2.4	0.9	1.4	0.6	0.3	1.4	1.5	0.5
1 - 2	15.6	15.0	11.6	18.2	14.4	13.8	16.9	14.1	19.8	19.0	26.5
3 - 5	30.5	34.1	25.2	31.9	26.8	26.5	23.6	29.0	35.3	35.3	35.0
6 - 10	27.5	25.9	29.7	26.9	29.4	27.8	31.3	30.8	28.5	28.7	27.0
11 - 15	14.6	14.0	16.3	12.5	17.3	18.6	16.9	15.6	9.7	10.1	6.6
16 - 20	6.0	5.5	9.8	5.1	6.5	6.5	7.1	6.0	3.4	3.5	2.6
21 - 30	2.8	2.5	4.6	1.9	3.6	4.5	2.5	2.8	1.4	1.4	1.6
more than 30	1.2	1.2	1.7	1.0	1.2	1.0	1.2	1.6	0.4	0.5	0.1
Socializing with Friends											
none	0.3	0.2	0.4	0.5	0.3	0.4	0.1	0.2	0.5	0.4	0.6
1 - 2	3.2	3.1	3.3	2.6	4.1	4.4	4.8	3.4	4.8	4.9	4.2
3 - 5	13.3	11.8	11.6	14.6	13.9	14.4	10.3	15.0	14.5	14.8	11.6
6 - 10	23.6	22.6	28.2	23.4	23.5	23.1	27.8	21.7	20.8	21.1	18.0
11 - 15	19.8	22.1	22.8	16.9	20.0	17.7	22.8	21.9	21.7	21.4	23.7
16 - 20	17.9	18.6	15.1	17.6	18.3	18.7	17.7	18.1	17.2	16.7	21.5
21 - 30	10.2	10.6	10.2	10.2	9.6	10.1	9.4	9.0	8.5	8.1	11.8
more than 30	11.7	11.0	8.6	14.3	10.2	11.1	7.1	10.6	12.1	12.5	8.7
Talk with Faculty Outside Class											
none	17.3	18.5	13.4	19.8	14.0	13.6	16.1	13.5	21.3	22.4	12.5
1 - 2	56.3	58.5	56.8	55.6	54.9	54.2	53.3	56.8	54.1	53.1	62.5
3 - 5	18.0	15.4	22.4	16.7	20.9	22.0	22.0	18.4	15.7	15.7	15.6
6 - 10	5.4	5.2	5.3	5.2	5.8	5.6	6.4	5.9	5.4	5.2	7.1
11 - 15	1.9	1.0	1.2	1.7	3.2	3.2	1.2	4.2	2.0	2.1	0.9
16 - 20	0.8	1.0	0.5	0.9	0.7	0.9	0.3	0.7	0.3	0.2	1.3
21 - 30	0.1	0.0	0.4	0.2	0.2	0.0	0.7	0.2	0.7	0.8	0.0
more than 30	0.2	0.3	0.1	0.0	0.3	0.5	0.0	0.3	0.4	0.5	0.2
Exercising/Sports											
none	6.5	5.7	2.8	7.2	7.6	7.2	8.9	7.6	6.5	6.6	5.7
1 - 2	17.5	17.9	15.5	16.9	18.6	19.1	20.1	17.0	18.9	17.5	30.4
3 - 5	20.2	21.5	19.3	19.3	20.3	21.0	19.6	19.6	24.4	24.5	22.8
6 - 10	20.5	21.0	21.4	19.9	20.4	20.3	17.5	22.4	18.8	19.1	16.6
11 - 15	14.8	15.7	18.4	13.1	14.9	13.7	14.5	17.1	15.7	16.5	10.0
16 - 20	9.5	8.9	10.5	9.4	9.8	10.5	8.9	9.2	8.6	9.2	4.0
21 - 30	4.6	3.6	7.4	5.2	4.1	4.3	5.9	2.8	4.2	4.3	2.7
more than 30	6.3	5.7	4.6	9.0	4.2	3.8	4.7	4.4	3.0	2.3	7.8
Using a Personal Computer											
none	49.3	46.4	50.7	50.4	50.5	50.7	53.7	48.4	54.1	54.6	50.2
1 - 2	27.3	27.9	29.1	27.4	26.2	26.6	24.8	26.2	22.8	22.7	24.2
3 - 5	13.9	14.9	12.4	12.4	15.2	14.4	13.0	17.9	12.6	12.3	14.8
6 - 10	6.1	7.4	5.6	6.3	4.5	4.1	4.8	5.0	6.3	6.1	8.0
11 - 15	1.8	2.0	1.3	1.7	2.1	2.6	2.4	1.1	1.4	1.3	1.7
16 - 20	0.8	0.9	0.8	1.1	0.5	0.4	0.3	0.8	1.8	1.9	0.9
21 - 30	0.2	0.2	0.0	0.2	0.4	0.4	0.7	0.1	0.7	0.8	0.0
more than 30	0.4	0.3	0.2	0.4	0.6	0.8	0.3	0.6	0.3	0.3	0.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Partying											
none	17.6	15.4	18.0	16.9	20.8	19.7	13.1	27.1	18.2	17.8	21.6
1 - 2	19.1	17.6	22.2	19.0	19.6	19.4	18.0	20.9	19.5	20.5	11.3
3 - 5	25.7	25.2	25.3	26.3	25.8	24.7	32.3	23.6	23.8	23.7	24.7
6 - 10	18.8	22.4	20.4	16.4	17.4	17.9	20.7	14.8	16.6	15.9	22.5
11 - 15	8.4	9.2	7.8	8.2	7.9	10.3	6.5	4.9	10.2	10.4	8.8
16 - 20	4.7	3.9	3.6	5.8	4.6	4.0	5.6	4.9	5.9	5.9	6.1
21 - 30	2.5	3.7	1.8	2.0	1.9	2.2	2.7	1.1	1.6	1.7	0.7
more than 30	3.3	2.7	1.0	5.5	2.0	1.8	1.1	2.6	4.2	4.1	4.4
Working (for Pay)											
none	28.0	27.0	35.1	25.4	30.0	29.3	25.4	33.7	20.6	20.2	23.6
1 - 2	5.3	4.2	5.5	6.2	5.1	4.7	2.8	6.9	4.3	4.3	4.0
3 - 5	6.7	5.6	8.0	5.7	8.5	8.8	7.4	8.7	5.9	5.5	9.2
6 - 10	10.2	10.1	10.7	10.2	10.1	10.4	10.9	9.4	12.7	12.3	15.4
11 - 15	13.9	15.2	13.3	13.0	13.7	14.3	19.5	9.6	11.0	11.0	11.1
16 - 20	17.7	18.4	13.3	19.1	16.6	15.8	17.6	17.4	19.0	20.0	11.2
21 - 30	12.4	13.4	9.3	14.0	10.2	10.8	11.1	8.8	13.9	14.0	12.6
more than 30	6.0	6.0	4.8	6.4	5.7	5.8	5.4	5.6	12.6	12.6	13.0
Volunteer Work											
none	52.7	57.4	43.8	55.1	47.7	49.8	46.7	44.9	57.3	55.8	68.6
1 - 2	28.4	27.1	35.0	26.3	30.1	28.2	28.8	33.9	26.4	27.6	17.0
3 - 5	12.5	10.0	13.8	12.9	14.3	14.5	16.3	12.8	8.5	8.6	8.0
6 - 10	3.6	3.5	4.2	2.7	4.7	4.8	4.4	4.5	4.0	3.9	4.7
11 - 15	1.1	0.8	1.4	1.0	1.5	1.6	1.9	1.0	1.5	1.5	1.4
16 - 20	0.7	0.1	0.7	1.1	0.8	0.2	1.4	1.4	1.4	1.5	0.1
21 - 30	0.2	0.0	0.3	0.4	0.2	0.3	0.2	0.1	0.9	1.0	0.0
more than 30	0.8	1.2	0.8	0.5	0.7	0.5	0.4	1.2	0.1	0.1	0.2
Student Clubs/Groups											
none	28.1	27.3	18.7	32.7	26.3	27.8	24.7	24.8	44.4	45.1	38.5
1 - 2	30.8	33.2	29.5	29.2	30.8	30.5	32.6	30.4	22.2	21.9	24.6
3 - 5	22.8	22.6	26.7	21.3	23.6	24.4	23.5	22.5	21.0	20.1	27.7
6 - 10	10.5	9.4	12.9	9.6	12.0	11.0	10.9	14.1	7.4	7.6	5.9
11 - 15	4.3	4.7	8.2	3.4	3.7	3.7	3.7	3.9	1.8	2.0	0.5
16 - 20	2.0	1.6	1.8	2.2	2.2	1.5	1.7	3.5	2.0	2.0	1.7
21 - 30	0.7	0.3	1.1	1.0	0.6	0.7	0.9	0.2	0.5	0.6	0.0
more than 30	0.8	0.8	1.0	0.6	0.8	0.5	2.0	0.6	0.7	0.6	1.0
Watching TV											
none	6.8	6.0	9.0	6.3	7.7	9.3	8.7	4.5	4.1	3.9	6.0
1 - 2	24.2	24.5	28.9	22.7	24.2	25.1	24.3	22.8	21.0	21.7	15.5
3 - 5	29.4	30.2	33.2	27.7	29.2	27.9	30.1	30.8	29.3	29.0	31.5
6 - 10	22.6	23.5	18.4	23.9	21.5	21.7	17.7	23.3	23.7	23.0	29.3
11 - 15	8.6	9.2	5.5	7.9	9.7	8.0	13.4	10.3	12.4	13.2	6.1
16 - 20	4.4	4.4	2.6	4.7	4.7	5.1	4.5	4.2	4.8	4.4	7.9
21 - 30	2.3	1.4	1.5	3.5	1.8	1.5	0.6	2.9	3.4	3.4	3.6
more than 30	1.7	0.8	0.9	3.3	1.2	1.3	0.8	1.1	1.1	1.3	0.1

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Religious Services/Meetings											
none	32.6	37.9	28.9	31.3	29.7	35.7	20.5	25.5	36.0	36.1	35.4
1 - 2	49.1	49.5	48.4	50.6	47.3	42.3	67.3	43.7	48.8	49.7	41.3
3 - 5	13.0	9.3	15.9	13.2	15.8	14.5	9.2	21.8	10.1	9.0	18.5
6 - 10	3.7	2.5	5.2	3.8	4.2	3.5	1.4	7.0	3.1	3.0	3.8
11 - 15	0.7	0.5	0.7	0.7	0.8	1.1	0.0	0.8	0.1	0.0	0.6
16 - 20	0.3	0.1	0.1	0.2	0.8	1.1	0.3	0.6	0.1	0.1	0.0
21 - 30	0.3	0.0	0.4	0.0	0.8	1.4	0.0	0.2	0.7	0.7	0.3
more than 30	0.3	0.1	0.4	0.2	0.6	0.4	1.4	0.4	1.2	1.4	0.1
Hobbies											
none	9.5	10.2	9.2	10.3	7.9	7.2	8.9	8.4	7.4	7.7	5.5
1 - 2	28.5	27.9	34.4	27.1	28.9	26.6	34.5	29.3	26.1	26.6	21.9
3 - 5	31.7	32.1	32.6	30.6	32.3	33.2	26.3	34.3	35.3	34.3	43.2
6 - 10	17.0	16.4	13.8	17.1	18.6	18.9	18.8	18.0	15.7	15.7	15.6
11 - 15	7.0	7.9	5.6	7.0	6.7	8.3	4.4	5.4	7.1	6.7	10.3
16 - 20	3.2	3.2	2.3	3.7	2.9	2.8	2.8	3.2	3.2	3.5	0.9
21 - 30	1.3	1.3	1.0	1.5	1.2	1.2	2.2	0.5	1.4	1.4	1.7
more than 30	1.7	0.9	1.1	2.6	1.5	1.7	2.1	0.9	3.7	4.1	0.8

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Attending Classes/Lab Sessions											
none	1.9	1.8	1.5	2.1	1.8	0.9	1.3	3.5	2.7	2.3	6.3
less than one	1.0	0.9	0.4	1.6	0.4	0.3	0.9	0.4	1.7	1.7	2.3
1 - 2	3.0	1.7	1.2	4.4	3.3	4.9	2.8	1.2	4.6	4.3	7.1
3 - 5	6.6	8.8	4.1	6.4	5.1	5.8	4.7	4.3	7.9	7.2	13.7
6 - 10	10.3	8.4	8.3	12.9	9.7	10.9	9.6	7.8	9.0	8.3	15.1
11 - 15	33.7	34.5	34.5	32.1	34.5	34.3	37.9	32.9	24.5	25.4	17.3
16 - 20	30.4	33.8	35.9	25.6	30.7	27.1	28.7	37.6	27.9	28.3	25.2
more than 20	13.3	10.1	14.1	14.9	14.4	15.9	14.1	12.2	21.6	22.7	13.0
Studying/Doing Homework											
none	0.2	0.1	0.0	0.3	0.1	0.0	0.0	0.3	0.5	0.6	0.0
less than one	1.0	0.6	0.4	1.9	0.5	0.7	0.0	0.5	1.6	1.4	3.9
1 - 2	4.8	3.8	1.7	7.9	3.2	3.5	4.2	2.2	6.0	6.1	4.9
3 - 5	19.4	18.5	11.7	22.2	19.4	17.6	22.6	20.5	21.4	21.4	21.6
6 - 10	30.6	31.5	27.3	30.5	30.8	30.9	30.5	30.7	31.5	30.6	38.5
11 - 15	19.3	20.5	21.6	16.3	21.1	21.1	19.7	21.9	20.9	21.0	19.3
16 - 20	11.9	13.6	15.9	9.6	11.4	11.6	11.1	11.3	9.1	9.2	8.8
more than 20	12.8	11.4	21.4	11.4	13.4	14.5	11.8	12.6	8.9	9.6	3.1
Socializing with Friends											
none	0.2	0.2	0.0	0.4	0.2	0.3	0.1	0.0	0.3	0.4	0.0
less than one	1.0	1.0	0.4	1.3	0.8	0.5	1.1	1.0	1.7	1.8	0.9
1 - 2	3.8	3.0	2.3	5.1	3.6	3.5	3.4	3.8	9.7	10.3	4.5
3 - 5	15.6	12.4	10.2	20.3	15.1	16.0	19.4	11.1	20.3	20.7	17.2
6 - 10	27.2	27.7	28.0	27.1	26.5	25.7	25.2	28.4	26.2	26.2	25.8
11 - 15	18.8	21.2	22.8	14.6	20.1	19.8	18.2	21.8	16.8	15.2	29.6
16 - 20	12.9	12.9	14.1	11.7	14.0	15.7	12.0	12.4	8.9	8.4	13.0
more than 20	20.4	21.6	22.2	19.5	19.7	18.4	20.5	21.4	16.1	17.0	8.9
Talk with Faculty Outside Class											
none	10.9	15.2	11.7	11.7	5.0	4.4	6.4	5.1	9.2	9.7	5.2
less than one	48.4	54.5	48.7	49.8	39.8	37.2	46.0	40.2	39.2	39.6	35.6
1 - 2	30.5	25.2	32.2	28.2	38.5	38.3	35.7	40.4	35.8	35.2	40.5
3 - 5	8.4	4.1	6.6	8.3	14.1	17.2	9.0	12.2	13.0	13.0	13.0
6 - 10	1.5	0.9	0.7	1.6	2.2	2.4	2.4	1.8	2.7	2.3	5.7
11 - 15	0.2	0.0	0.1	0.1	0.4	0.5	0.4	0.3	0.0	0.0	0.0
16 - 20	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
more than 20	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exercising/Sports											
none	4.9	4.2	2.8	5.9	5.2	6.3	3.9	4.2	7.6	8.2	2.5
less than one	12.1	10.6	8.4	13.2	13.5	14.7	11.2	12.9	14.2	13.0	24.8
1 - 2	21.9	23.4	17.3	21.4	22.4	23.7	22.2	20.3	26.2	26.2	26.5
3 - 5	30.7	32.6	34.7	30.1	28.1	27.2	30.7	28.1	26.9	27.4	22.2
6 - 10	17.5	20.6	22.8	14.7	15.9	14.4	16.8	17.8	14.2	14.2	13.8
11 - 15	6.6	3.8	6.5	7.7	8.4	7.3	9.6	9.3	7.2	7.2	7.5
16 - 20	2.7	1.4	3.8	3.3	3.0	2.9	2.8	3.4	1.8	1.8	1.9
more than 20	3.6	3.5	3.8	3.7	3.5	3.5	2.8	3.9	1.9	2.0	0.8

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Reading for Pleasure											
none	24.3	27.1	23.3	23.5	22.4	22.1	20.3	24.0	25.8	24.5	36.9
less than one	29.0	28.4	31.7	29.7	28.0	25.6	31.8	29.7	30.1	30.6	25.5
1 - 2	25.9	26.3	26.5	25.5	25.9	26.0	28.9	23.9	22.4	22.3	23.0
3 - 5	14.6	13.1	12.8	13.9	17.6	19.2	14.8	16.6	14.5	15.1	9.2
6 - 10	3.6	3.5	4.2	3.3	3.8	4.5	3.0	3.2	4.5	4.6	4.0
11 - 15	1.7	1.0	0.7	2.9	1.2	1.1	0.5	1.7	1.8	2.0	0.0
16 - 20	0.5	0.3	0.5	0.6	0.6	0.6	0.4	0.6	0.5	0.6	0.0
more than 20	0.4	0.2	0.2	0.6	0.6	0.9	0.4	0.2	0.4	0.3	1.3
Using a Personal Computer											
none	41.0	42.7	33.9	43.2	38.6	40.4	36.3	36.9	44.5	43.8	50.3
less than one	18.7	18.7	19.7	18.5	18.7	16.3	17.4	23.4	20.2	20.7	16.8
1 - 2	16.4	16.1	19.3	15.2	17.1	14.3	23.5	18.0	12.7	12.6	13.6
3 - 5	13.9	13.4	14.5	13.0	15.4	16.6	14.3	14.3	11.7	11.4	14.6
6 - 10	6.1	5.1	8.4	6.3	6.3	7.5	5.8	4.8	5.5	5.9	2.0
11 - 15	1.8	1.9	2.2	1.5	2.1	2.9	1.5	1.2	2.7	2.9	0.6
16 - 20	0.7	0.4	0.8	1.0	0.5	0.7	0.4	0.2	0.6	0.7	0.0
more than 20	1.4	1.7	1.2	1.4	1.3	1.4	0.9	1.2	2.0	2.0	2.2
Partying											
none	13.9	11.1	13.4	14.9	16.0	16.3	7.9	20.1	19.4	20.1	13.9
less than one	9.5	7.3	9.0	11.0	10.1	10.6	10.4	9.2	11.6	11.7	10.7
1 - 2	15.9	15.9	13.9	16.2	16.2	13.7	22.7	16.5	18.2	17.3	25.8
3 - 5	27.8	27.1	32.1	29.1	25.5	27.4	24.5	23.3	23.0	22.5	27.8
6 - 10	18.8	21.1	19.6	14.7	21.1	22.0	21.1	19.6	16.4	17.0	11.6
11 - 15	6.9	9.4	6.0	5.8	5.7	5.5	7.1	5.3	4.0	3.9	4.7
16 - 20	2.5	3.2	2.0	2.5	2.0	2.1	3.3	1.2	3.7	3.9	2.6
more than 20	4.7	5.0	3.9	5.8	3.4	2.6	3.0	4.9	3.6	3.7	2.9
Working (for Pay)											
none	35.9	38.9	37.5	36.0	32.0	33.9	24.1	33.4	30.0	32.1	11.7
less than one	2.0	2.8	2.2	1.3	2.0	1.9	1.7	2.5	1.2	1.2	1.1
1 - 2	2.0	1.7	2.9	1.5	2.8	3.4	1.6	2.5	2.9	2.8	3.7
3 - 5	6.8	5.4	7.7	6.4	8.5	7.5	7.4	10.6	5.5	4.7	12.3
6 - 10	13.8	12.9	15.2	9.4	19.7	21.2	16.8	18.9	12.8	12.4	15.9
11 - 15	13.1	13.1	13.1	12.3	14.2	14.4	22.7	9.1	11.6	11.3	13.4
16 - 20	10.4	11.2	10.4	10.3	9.7	7.2	13.0	11.9	13.7	14.1	10.6
more than 20	16.0	14.0	11.1	22.8	11.1	10.5	12.8	11.0	22.4	21.3	31.2
Volunteer Work											
none	67.4	70.9	57.5	71.1	62.1	61.3	56.9	66.2	72.1	73.0	64.6
less than one	11.6	9.8	16.7	10.0	13.8	14.7	15.0	11.8	9.5	8.8	15.4
1 - 2	12.0	9.6	14.9	11.7	14.2	14.5	14.6	13.5	8.3	8.0	11.2
3 - 5	6.3	7.1	7.3	5.1	6.9	7.0	9.8	5.0	5.6	5.9	3.1
6 - 10	1.7	1.7	2.6	1.2	2.2	1.9	2.6	2.3	2.5	2.5	2.3
11 - 15	0.4	0.2	0.9	0.2	0.7	0.6	0.6	0.8	0.9	0.7	2.5
16 - 20	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.3	0.3	0.0
more than 20	0.4	0.6	0.0	0.6	0.1	0.1	0.3	0.2	0.8	0.8	0.8

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Student Clubs/Groups											
none	43.6	47.1	36.8	47.8	36.4	34.9	33.8	40.2	58.5	59.3	51.8
less than one	11.7	10.7	12.0	11.7	12.8	13.2	15.2	10.7	11.2	10.9	13.3
1 - 2	20.3	18.1	20.2	19.2	24.3	23.8	25.0	24.5	16.0	15.0	24.0
3 - 5	14.0	13.2	17.6	11.7	16.6	16.7	17.8	15.9	9.7	9.9	7.8
6 - 10	6.1	6.2	7.9	5.0	6.7	8.1	3.7	6.3	2.8	2.8	3.0
11 - 15	2.2	1.8	3.0	2.6	1.9	1.7	3.4	1.3	0.9	1.0	0.1
16 - 20	1.1	1.5	1.1	1.1	0.5	0.8	0.1	0.4	0.2	0.3	0.0
more than 20	1.0	1.5	1.2	0.8	0.8	0.8	1.0	0.6	0.7	0.8	0.0
Watching TV											
none	10.3	8.9	16.1	9.1	11.6	14.6	8.8	8.5	7.9	8.3	4.6
less than one	15.0	12.2	17.9	15.0	17.1	18.3	14.2	16.9	12.3	11.8	16.3
1 - 2	20.7	22.1	23.6	18.5	20.8	18.0	27.3	21.3	24.8	24.9	24.3
3 - 5	26.6	27.2	21.7	26.4	27.9	27.1	29.2	28.4	27.4	26.7	33.0
6 - 10	15.2	15.2	14.0	16.8	13.6	13.1	14.4	13.9	15.5	16.1	11.1
11 - 15	6.6	9.2	3.4	6.2	5.3	5.7	3.4	5.8	4.8	4.5	6.6
16 - 20	3.0	2.8	1.5	4.7	1.6	1.4	1.0	2.3	3.3	3.4	3.0
more than 20	2.6	2.4	1.7	3.2	2.1	1.8	1.7	2.9	4.0	4.4	1.1
Commuting to Campus											
none	56.1	50.1	62.6	49.7	68.7	71.3	58.3	70.3	31.1	29.4	45.4
less than one	12.5	15.2	12.8	12.2	10.0	10.5	10.8	8.7	16.5	16.3	17.7
1 - 2	12.2	13.7	9.7	13.9	9.4	7.2	16.3	8.7	15.3	16.2	7.3
3 - 5	11.6	12.8	7.4	15.2	6.9	6.5	9.4	6.1	19.9	20.2	17.5
6 - 10	5.8	7.1	6.1	6.3	3.7	2.6	4.4	5.1	14.1	14.7	8.2
11 - 15	1.0	0.5	0.6	1.6	0.8	1.0	0.4	0.7	1.4	1.4	2.1
16 - 20	0.3	0.3	0.0	0.5	0.1	0.1	0.2	0.1	0.6	0.6	0.3
more than 20	0.5	0.3	0.7	0.7	0.5	0.7	0.2	0.2	1.2	1.2	1.5
Religious Services/Meetings											
none	52.7	60.7	45.4	51.4	47.6	55.1	33.7	43.5	54.6	55.5	47.5
less than one	15.6	12.5	16.7	18.3	15.4	15.1	18.8	13.9	18.4	18.9	13.9
1 - 2	24.3	21.4	22.9	25.7	26.1	19.8	39.4	28.7	22.9	22.1	29.4
3 - 5	5.6	4.0	11.2	3.7	8.0	7.4	5.9	10.1	3.0	2.6	7.0
6 - 10	1.2	1.1	2.7	0.6	1.7	1.1	1.5	2.8	0.8	0.7	1.8
11 - 15	0.4	0.1	0.6	0.2	1.0	1.3	0.7	0.8	0.2	0.2	0.5
16 - 20	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
more than 20	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.0	0.0	0.0
Hobbies											
none	21.4	22.8	24.4	22.2	17.8	17.2	18.9	18.2	22.2	22.3	22.0
less than one	20.8	18.8	24.5	20.2	22.8	22.3	20.1	25.3	20.3	20.4	19.9
1 - 2	29.4	28.7	27.0	29.9	30.3	30.5	27.5	31.7	27.7	27.9	26.1
3 - 5	17.7	18.3	16.1	17.1	18.2	18.8	23.3	14.4	17.1	16.4	23.4
6 - 10	6.7	7.8	6.6	6.6	5.6	5.8	5.4	5.2	8.6	8.9	5.9
11 - 15	2.0	2.0	1.1	2.1	2.3	2.9	3.0	1.0	1.0	0.9	1.8
16 - 20	0.7	0.4	0.1	0.6	1.5	1.1	1.1	2.3	1.3	1.3	0.7
more than 20	1.3	1.3	0.2	1.4	1.4	1.4	0.7	1.8	1.8	2.0	0.2

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Religious Preference in 1988											
Baptist	12.2	9.5	3.1	15.8	13.4	15.1	3.4	16.5	8.2	6.5	22.1
Buddhist	0.8	0.5	0.1	1.5	0.5	0.6	0.0	0.5	0.5	0.5	0.3
Congregational	1.2	1.5	0.1	1.3	1.1	1.5	0.2	0.8	1.8	1.9	0.8
Eastern Orthodox	0.5	0.3	1.2	0.4	0.4	0.3	0.8	0.3	0.4	0.5	0.0
Episcopal	3.3	2.6	4.1	3.7	3.3	3.3	1.8	4.3	1.1	1.0	1.7
Hindu	0.1	0.3	0.3	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Islamic	0.1	0.0	0.4	0.0	0.1	0.1	0.2	0.0	0.3	0.3	0.2
Jewish	3.4	5.3	5.3	1.8	2.9	5.3	0.1	0.5	4.1	4.5	0.5
Latter Day Saints (Mormon)	1.4	0.5	11.5	0.5	0.1	0.3	0.1	0.0	0.0	0.0	0.0
Lutheran	6.1	6.8	3.0	6.5	6.0	4.0	4.6	9.9	7.7	7.2	11.5
Methodist	9.0	9.9	5.3	9.7	8.3	6.3	5.5	13.4	10.9	10.4	14.9
Presbyterian	5.2	6.2	5.1	3.7	6.2	5.3	1.4	10.4	5.2	5.4	3.2
Quaker (Society of Friends)	0.2	0.1	0.1	0.1	0.6	1.0	0.2	0.2	0.2	0.2	0.0
Roman Catholic	34.0	31.1	40.4	36.4	32.1	26.9	70.8	17.9	40.7	42.3	27.1
Seventh Day Adventist	0.1	0.2	0.3	0.0	0.2	0.1	0.0	0.5	0.5	0.6	0.0
other Protestant	5.6	4.4	4.6	5.8	7.0	6.8	1.1	10.7	5.4	4.9	9.4
other religion	3.6	4.1	1.5	3.3	4.1	5.4	1.2	3.6	4.8	4.9	3.7
none	13.2	16.8	13.6	9.5	13.7	17.5	8.6	10.7	8.4	8.8	4.5

Notes:

[1] More than one response was permitted. The total may sum to more than100 percent.

[2] These areas are based on the curriculum recommendations of the National Commission on Excellence in Education.

[3] Students responding "don't know, can't rate" were not included in tabulations.

[4] Students indicating they had not taken time off from college were not included in tabulations.

[5] Responses include "frequently" only, all others include both "frequently" and "occasionally" responses.

[6] This item has been recategorized for reporting purposes from a longer list of response choices shown in Appendix D of this report.

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

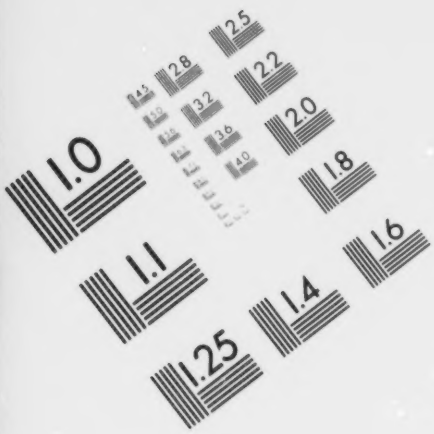
FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1986	96.8	98.8	98.5	95.8	95.4	97.7	89.7	95.5	88.1	87.3	93.0
1985	2.1	0.4	1.3	2.2	4.0	1.4	9.7	4.3	2.9	2.8	3.9
1984	0.2	0.3	0.0	0.2	0.2	0.3	0.3	0.0	0.5	0.3	1.4
1983 or earlier	0.6	0.5	0.0	1.2	0.2	0.4	0.3	0.0	6.1	6.7	1.6
H.S. equivalency (G.E.D. test)	0.2	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	1.5	0.0
never completed high school	0.1	0.0	0.1	0.0	0.1	0.2	0.0	0.2	1.1	1.3	0.0
Age on December 31, 1988											
18 or younger	0.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	3.2	3.2	6.2	1.6	4.3	6.6	3.0	1.8	4.3	4.9	0.0
20	79.2	82.4	80.5	79.0	75.8	81.9	68.9	70.9	71.0	70.8	72.6
21	15.8	12.8	13.0	16.9	18.1	10.8	26.8	23.5	13.6	12.2	23.5
22	0.8	0.4	0.3	0.5	1.6	0.3	1.0	3.8	2.3	2.3	2.3
23-26	0.6	0.3	0.0	1.1	0.2	0.4	0.3	0.0	2.9	3.0	1.6
27-31	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.8	2.0	0.0
32-41	0.2	0.2	0.0	0.3	0.0	0.0	0.0	0.0	3.9	4.5	0.0
42-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
57 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	82.8	83.7	86.6	80.7	83.5	79.9	75.3	94.2	91.7	91.4	94.4
Black/Negro/Afro-American	12.3	9.8	4.1	17.7	10.5	17.3	5.0	3.4	4.6	4.8	3.6
American Indian	0.7	1.0	0.6	0.7	0.3	0.3	0.3	0.2	0.5	0.6	0.0
Asian-American/Oriental	2.6	4.0	5.3	1.0	2.2	1.8	4.7	1.3	1.0	1.0	1.1
Mexican-American/Chicano	1.6	1.1	2.7	0.3	3.3	0.3	15.0	0.4	1.2	1.2	1.0
Puerto Rican-American	0.3	0.2	1.4	0.3	0.2	0.2	0.6	0.1	0.3	0.4	0.0
other	1.3	1.4	2.5	0.4	1.9	1.5	4.0	1.3	1.8	2.1	0.0
Status of Parents											
living with each other	72.8	73.1	78.7	71.6	72.1	72.0	77.1	69.3	72.6	72.0	77.4
divorced or separated	22.3	23.7	17.6	22.4	22.1	21.6	20.2	24.0	18.9	18.7	20.6
one or both deceased	4.9	3.1	3.7	6.0	5.8	6.4	2.7	6.7	8.5	9.3	2.0
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	95.4	97.1	98.9	95.3	92.7	94.6	85.4	94.6	93.3	93.2	94.3
mathematics (3 years)	92.2	95.4	96.2	90.0	90.8	94.0	87.9	87.7	77.2	77.3	76.6
foreign language (2 years)	83.0	87.5	92.5	77.4	83.0	87.9	79.9	77.7	66.4	67.7	57.8
physical science (2 years)	50.9	53.2	60.8	47.1	50.4	54.4	49.6	45.0	44.6	45.9	35.4
biological science (2 years)	36.9	36.7	37.2	35.3	38.9	38.3	34.6	42.6	31.4	30.8	35.6
history/American govt (1 year)	99.3	98.8	100.0	99.2	99.6	99.1	100.0	100.0	99.0	98.8	100.0
computer science (1/2 year)	59.0	59.8	65.0	61.6	52.9	51.1	56.8	53.3	54.3	54.3	54.5
art or music (1 year)	66.8	64.4	73.1	64.0	70.8	67.2	72.0	75.3	64.7	64.3	67.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	14.2	17.6	26.7	9.8	12.6	12.2	11.0	14.1	6.7	6.9	5.7
A-	15.7	17.2	25.9	12.4	15.5	12.9	16.9	18.4	5.8	5.3	9.2
B+	21.8	21.9	18.3	23.7	20.3	22.3	18.8	18.2	16.6	16.2	19.0
B	27.1	27.7	18.6	29.0	26.3	27.2	25.7	25.4	31.5	33.6	17.0
B-	9.1	7.2	7.3	11.8	8.1	7.5	9.3	8.4	13.7	13.8	13.0
C+	7.7	6.8	1.2	8.5	9.6	11.0	6.9	9.2	17.5	17.6	16.4
C	4.4	1.7	1.9	4.7	7.6	6.9	11.5	6.3	7.4	5.5	19.7
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.1	0.0
Average Undergraduate Grade											
A	5.5	6.3	6.6	4.5	5.5	4.1	6.2	7.2	6.6	6.1	9.6
B+,A-	22.4	24.7	34.0	17.6	22.8	20.4	21.5	27.2	19.9	20.3	17.2
B	31.0	32.4	32.5	28.7	31.8	34.3	36.7	25.0	27.0	27.2	25.7
C+,B-	24.8	22.6	17.3	28.1	25.1	27.9	28.1	19.2	25.0	24.9	25.2
C	12.3	10.9	5.6	16.5	10.4	11.3	7.3	11.0	18.4	17.9	22.3
C- or less	4.1	3.1	4.0	4.6	4.3	2.0	0.2	10.3	3.1	3.6	0.0
Degree Aspirations in 1986											
none	1.3	1.1	2.7	1.4	0.9	0.9	0.8	1.0	1.6	1.4	2.7
vocational certificate	0.2	0.1	0.0	0.3	0.0	0.0	0.0	0.0	1.3	1.5	0.0
associate (A.A. or equivalent)	0.7	0.4	0.0	1.5	0.3	0.2	0.4	0.5	14.2	12.5	25.3
bachelor's (B.A., B.S., etc.)	32.4	32.4	16.9	37.4	31.2	27.0	33.7	35.9	47.4	49.2	35.9
master's (M.A., M.S., etc.)	37.3	35.7	41.8	36.7	38.5	41.3	39.1	34.1	26.4	26.4	25.9
Ph.D. or Ed.D.	13.2	15.0	17.7	9.5	14.3	17.0	10.4	12.5	5.1	5.2	4.6
M.D., D.O., D.D.S., D.V.M.	7.6	10.5	11.8	4.2	7.1	7.1	7.3	7.1	1.4	1.2	2.8
J.D. or LL.B. (law)	5.8	3.8	7.9	6.8	6.1	5.7	6.2	6.5	1.7	1.5	2.9
B.D. or M.Div. (divinity)	0.2	0.0	0.7	0.3	0.1	0.1	0.4	0.0	0.0	0.0	0.0
other	1.4	0.9	0.5	1.9	1.5	0.8	1.7	2.3	0.9	1.1	0.0
Highest Degree Earned by 1988											
none	90.6	93.1	92.6	90.5	87.7	87.7	85.2	89.0	57.8	60.1	43.7
vocational certificate	1.4	0.7	0.7	1.4	2.5	1.8	5.7	1.5	5.6	5.7	5.4
associate (A.A. or equivalent)	5.1	4.6	5.3	4.4	6.5	7.2	7.1	5.1	31.8	29.2	47.6
bachelor's (B.A., B.S., etc.)	1.0	0.6	0.3	1.5	1.1	0.7	0.9	1.8	3.0	3.2	1.4
master's (M.A., M.S., etc.)	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.0	0.1	0.0	0.8
Ph.D. or Ed.D.	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
M.D., D.O., D.D.S., D.V.M.	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.3	0.0	0.0	0.0
J.D. or LL.B. (law)	0.1	0.1	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
B.D. or M.Div. (divinity)	0.3	0.0	0.0	0.6	0.3	0.6	0.0	0.0	0.0	0.0	0.0
other	1.3	0.8	0.8	1.4	1.7	1.7	0.7	2.3	1.7	1.8	1.0
Degree Aspirations in 1988											
none	2.3	1.6	1.4	2.9	2.5	2.9	0.7	3.2	5.3	5.4	4.7
vocational certificate	0.5	0.5	0.3	0.7	0.3	0.2	0.0	0.4	1.1	1.2	0.0
associate (A.A. or equivalent)	1.6	1.0	0.6	2.9	0.9	0.0	2.0	1.6	13.8	13.6	15.0
bachelor's (B.A., B.S., etc.)	34.7	34.5	30.2	40.8	28.5	26.9	25.9	32.7	39.4	39.9	36.1
master's (M.A., M.S., etc.)	37.3	36.6	36.8	35.7	40.2	41.2	37.9	40.1	28.9	28.1	34.6
Ph.D. or Ed.D.	11.9	14.6	12.6	7.9	14.0	16.0	11.3	12.7	7.1	7.1	6.4
M.D., D.O., D.D.S., D.V.M.	3.9	4.1	7.4	2.6	4.3	5.1	5.3	2.3	1.1	1.0	2.2
J.D. or LL.B. (law)	5.7	6.2	10.1	4.2	5.9	6.9	6.1	4.3	2.5	2.8	0.0
B.D. or M.Div. (divinity)	0.3	0.3	0.0	0.3	0.4	0.5	0.0	0.5	0.2	0.2	0.0
other	1.8	0.7	0.6	1.9	3.1	0.3	10.8	2.1	0.7	0.6	0.9

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College Was Student's											
first choice	70.2	75.1	71.2	67.3	68.6	64.2	78.1	69.2	75.1	75.5	72.6
second choice	22.9	19.0	21.6	25.5	24.0	26.3	19.0	23.8	18.1	17.7	20.9
third choice	4.5	4.1	6.0	4.2	4.8	4.8	1.9	6.5	5.7	5.6	6.6
less than third choice	2.4	1.8	1.2	3.1	2.7	4.7	1.1	0.6	1.1	1.2	0.0
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	61.2	59.5	63.4	58.9	65.3	64.7	68.1	64.4	66.3	65.6	72.6
humanities courses	76.6	77.7	81.0	72.9	78.7	76.7	83.2	79.3	76.8	77.3	73.3
social science courses	75.1	80.4	76.4	68.7	77.3	77.4	80.2	75.4	70.8	71.9	62.8
courses in major field	82.8	79.9	86.7	81.6	85.9	87.8	81.0	86.0	79.6	79.7	79.1
general education requirements	64.7	65.4	70.4	60.7	67.4	63.0	76.7	68.1	67.3	68.2	60.9
relevance of coursework to life	54.5	49.5	62.5	51.1	61.8	61.4	63.7	61.4	58.4	58.0	61.3
overall quality of instruction	73.3	70.3	80.1	69.9	78.8	78.3	82.2	77.4	72.0	71.5	75.8
lab facilities and equipment	71.4	75.8	72.9	69.6	68.5	68.5	74.7	64.4	68.8	69.6	63.4
library facilities	76.7	88.7	69.4	78.0	64.9	68.6	72.8	54.7	75.4	76.3	69.8
computer facilities	74.1	76.4	72.9	75.1	70.9	71.3	82.4	63.4	73.7	75.1	64.0
oppty for interdisciplin courses	58.8	61.3	63.1	52.5	61.7	60.5	70.2	57.9	35.9	36.2	34.2
oppty to talk to professors	75.8	69.9	79.8	70.5	87.2	85.9	89.7	87.4	74.2	73.3	80.6
oppty for extracurr activities	75.2	76.4	78.7	71.5	77.4	78.7	74.7	77.0	60.0	61.0	54.1
campus social life	63.8	71.5	68.7	58.4	61.0	61.2	59.8	61.5	61.1	63.6	45.4
regulations on campus life	46.0	53.8	55.1	38.4	44.9	44.7	49.1	42.6	40.9	43.5	24.4
academic tutoring or assistance	66.4	64.0	64.6	65.9	69.9	70.5	80.2	61.9	70.8	73.0	57.0
academic advising	55.1	52.5	49.3	50.8	64.5	61.2	72.5	64.5	57.8	59.4	46.4
career counseling and advising	54.8	53.7	51.8	50.4	61.9	58.2	74.1	59.1	56.6	57.9	47.1
student housing	57.7	60.5	63.1	50.9	61.0	59.9	69.4	58.2	62.0	62.4	60.2
financial aid services	45.8	40.9	48.2	42.4	53.2	51.3	61.8	50.5	57.9	57.9	57.6
contact with faculty and admin	57.4	46.3	62.8	52.6	72.8	70.9	80.1	71.3	63.5	62.0	73.7
relations with faculty and admin	60.4	50.6	65.3	55.8	74.1	69.9	83.2	74.8	69.7	69.5	70.9
oppty to attend films,concerts	76.7	79.1	81.6	75.4	74.2	76.4	70.1	73.5	64.1	64.9	58.7
job placement services	55.7	53.0	62.7	48.7	64.1	67.0	69.4	55.9	47.5	48.5	42.1
campus health services	56.5	60.6	47.0	60.9	50.1	50.4	61.9	42.4	52.1	53.2	45.0
overall college experience	78.3	82.2	80.4	74.2	78.6	77.7	82.0	77.8	75.5	76.6	67.0
Enroll at Freshman College Again											
definitely yes	34.5	39.2	48.8	25.2	37.3	37.9	36.5	37.0	35.3	36.8	24.6
probably yes	34.3	35.1	27.5	38.2	30.3	30.8	26.8	31.7	31.2	31.2	31.3
don't know	4.2	3.7	2.2	4.9	4.4	4.1	5.6	4.0	2.1	2.1	1.7
probably not	16.2	13.6	13.0	17.5	18.0	18.0	20.8	16.3	19.1	19.4	17.2
definitely not	10.9	8.3	8.5	14.2	10.0	9.1	10.3	11.0	12.4	10.5	25.2
Plans for Fall 1988											
attend college full-time	86.1	91.3	88.5	80.7	86.7	89.8	82.9	84.6	64.6	66.3	53.2
attend college part-time	4.9	3.2	3.9	7.6	3.5	4.1	1.1	4.2	12.8	11.5	22.3
attend graduate school	1.0	0.9	0.4	1.6	0.8	0.7	0.0	1.2	0.9	0.9	1.0
attend vocational program	1.1	0.9	0.7	1.7	0.5	0.4	0.3	0.9	1.1	1.1	0.9
work full-time	10.1	5.1	8.6	13.8	11.0	6.3	16.3	14.8	24.7	22.7	39.0
work part-time	51.1	57.2	46.8	50.8	46.4	43.3	52.3	47.4	38.3	39.4	31.0
serve in Armed Forces	0.6	0.3	0.5	1.3	0.2	0.3	0.5	0.0	0.9	0.9	1.3
travel	5.2	5.8	7.6	3.6	6.0	6.6	4.3	6.1	3.0	3.4	0.7
do volunteer work	13.0	13.1	14.9	11.3	14.4	12.3	19.0	14.7	3.9	3.7	5.1
stay at home	5.7	5.1	3.0	7.3	5.0	4.3	5.3	5.8	11.1	12.2	3.8



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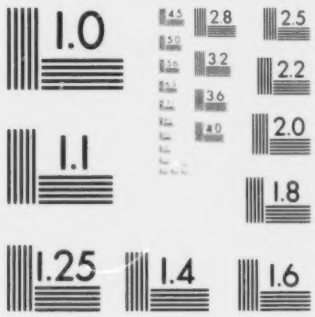

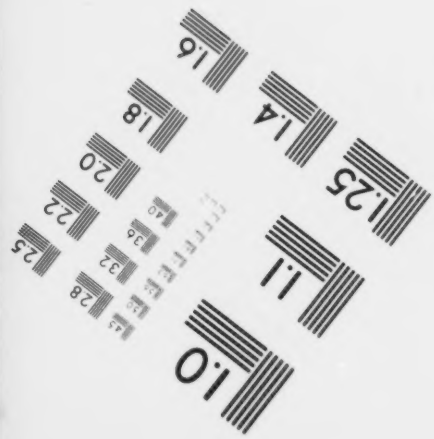

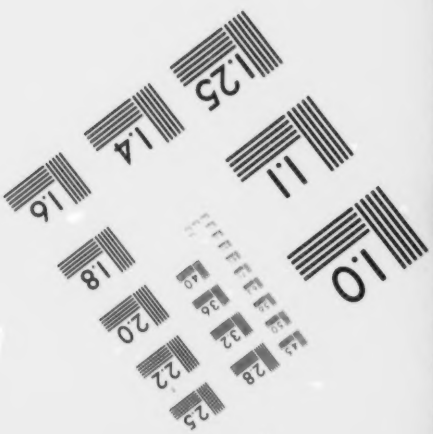

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1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Took Time Off, Withdrew or Transferred											
no	69.3	70.8	77.7	65.1	70.7	70.6	76.1	67.5	68.0	68.3	65.8
transferred	18.5	20.5	12.3	18.7	18.1	17.6	14.0	21.3	14.7	14.7	14.8
withdrew	5.6	4.1	2.5	7.8	5.4	5.5	3.0	6.9	13.9	13.8	14.8
leave of absence	6.5	4.6	7.5	8.5	5.7	6.3	6.9	4.2	3.4	3.3	4.6
Reasons Noted as Very Important for Taking Time Off (4)											
changed career plans	37.0	41.5	28.8	41.7	27.0	22.1	25.8	33.8	35.6	34.4	*43.3*
couldn't afford college	16.3	14.3	29.6	14.9	17.6	20.0	17.4	14.5	24.7	22.1	*41.5*
didn't "fit in"	20.4	29.0	17.4	16.6	18.0	10.9	11.9	29.9	14.3	10.6	*38.3*
family responsibilities	12.4	8.2	11.3	15.8	11.8	8.9	7.4	17.6	18.0	18.4	*15.8*
had good job offer	6.2	6.5	12.2	5.9	5.1	1.1	8.1	8.9	10.8	11.9	*3.3*
reconsider goals and interests	45.2	36.7	45.8	50.1	46.3	38.3	54.4	52.7	42.4	39.9	*59.1*
tired of being student	6.7	4.6	7.3	6.6	9.0	6.2	7.3	13.3	7.2	7.2	*7.4*
wanted better acad. reputation	17.4	10.9	15.5	19.4	21.6	26.0	19.9	16.8	16.1	15.1	*22.7*
wanted better social life	14.9	10.8	19.8	16.3	15.9	14.6	9.7	20.4	7.6	7.1	*10.8*
wanted practical experience	15.2	13.1	11.2	17.2	15.1	10.7	23.3	17.1	21.2	22.9	*10.1*
wanted to be closer to home	14.0	10.8	13.6	17.5	11.8	10.0	6.1	16.6	14.2	11.2	*33.4*
wanted wider course selection	26.0	14.4	16.6	27.6	37.7	45.1	30.1	31.6	28.0	24.3	*52.2*
was bored with course work	12.6	11.9	22.1	11.8	12.4	9.0	13.7	16.0	16.3	13.1	*37.0*
wasn't doing well academically	30.1	32.1	21.8	35.3	21.9	25.0	6.3	24.8	28.6	28.7	*28.1*
ENROLLMENT STATUS											
First Year											
attended full-time	98.0	97.4	100.0	97.5	98.7	98.0	99.5	99.2	97.1	98.3	88.7
attended part-time	2.0	2.6	0.0	2.5	1.3	2.0	0.5	0.8	2.6	1.4	11.3
not enrolled	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
Second Year											
attended full-time	90.4	91.1	93.6	88.1	91.7	96.3	80.3	92.1	87.4	88.4	80.5
attended part-time	6.3	6.9	3.3	7.4	5.2	2.1	13.9	4.4	5.8	6.0	4.8
not enrolled	3.3	2.0	3.1	4.4	3.1	1.7	5.8	3.5	6.8	5.6	14.7
Miles from 1986 Home to College											
5 or less	5.5	4.8	3.9	6.8	5.1	4.7	5.0	5.7	14.9	14.4	18.5
6-10	6.6	6.1	5.7	8.4	4.9	3.8	8.2	4.6	13.7	14.7	7.3
11-50	26.1	20.9	15.0	35.9	22.0	20.0	26.9	22.1	36.4	35.7	41.7
51-100	18.2	20.7	11.7	19.7	15.5	15.0	10.4	19.2	17.4	18.0	13.4
101-500	31.3	37.9	29.3	24.2	34.2	32.9	36.0	35.1	15.5	15.5	15.2
more than 500	12.4	9.7	34.3	5.0	18.3	23.6	13.6	13.3	2.0	1.7	3.9

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1986											
academic ability	63.1	71.2	79.4	55.5	59.7	62.8	54.5	58.4	32.1	32.5	29.6
artistic ability	23.9	27.7	34.3	19.1	23.4	25.5	18.4	23.3	19.5	18.9	23.5
drive to achieve	65.4	68.3	79.3	62.4	62.3	64.3	62.2	59.5	48.9	50.6	38.0
emotional health	57.5	60.4	65.4	55.7	54.4	57.7	50.0	52.3	47.7	48.4	43.1
foreign language ability	38.3	43.2	52.7	32.1	37.2	38.9	34.1	36.5	27.1	28.4	18.4
leadership ability	50.9	53.2	64.7	46.4	50.2	52.1	43.6	51.4	39.1	39.9	34.0
mathematical ability	37.4	43.8	48.7	33.6	32.3	32.9	33.7	30.6	24.7	24.4	26.8
physical health	53.6	54.0	63.0	55.7	47.7	50.0	43.2	47.1	48.1	48.6	44.3
popularity	42.4	45.7	48.2	39.7	40.8	44.5	35.6	38.4	38.9	40.4	28.3
self-confidence (intell)	53.1	57.9	66.7	49.1	49.5	50.6	43.7	51.5	37.7	38.5	32.3
self-confidence (social)	47.2	51.4	56.2	45.5	42.7	43.0	38.8	44.7	43.1	45.2	28.9
writing ability	49.6	54.3	56.8	47.7	45.1	44.7	40.4	48.5	31.1	32.6	21.0
in 1988											
academic ability	61.0	66.8	74.8	52.0	62.4	59.3	68.0	63.7	41.5	42.5	34.3
artistic ability	27.7	28.6	35.5	23.5	29.9	30.2	37.0	25.0	20.8	20.1	25.1
competitiveness	45.4	47.3	52.3	42.7	44.9	45.3	41.9	46.1	38.6	38.9	36.6
drive to achieve	63.6	62.4	73.5	62.1	63.8	64.4	59.6	65.5	59.3	59.6	57.2
emotional health	53.5	53.7	59.6	51.5	54.2	54.7	52.3	54.7	50.7	51.0	48.5
foreign language ability	40.0	45.0	54.0	32.2	40.7	39.7	48.4	37.4	24.9	25.7	19.9
leadership ability	49.5	47.3	61.3	44.1	55.2	54.1	59.7	53.9	44.5	45.5	37.9
mathematical ability	36.9	42.0	46.2	34.3	32.4	32.8	32.9	31.7	25.1	24.6	28.8
physical health	51.7	54.7	62.2	51.1	46.4	45.4	44.7	48.7	46.7	46.4	48.7
popularity	42.2	41.5	47.2	38.0	47.0	46.6	52.4	44.2	38.9	40.6	27.4
popularity with opposite sex	40.4	39.3	49.6	39.7	39.9	40.4	33.9	42.9	39.5	41.3	27.5
public speaking ability	33.2	30.0	43.0	31.1	36.2	36.6	30.9	38.9	28.5	29.7	20.2
self-confidence (intell)	54.0	54.9	66.1	51.8	52.4	49.5	53.0	56.2	42.8	43.9	34.7
self-confidence (social)	48.1	47.9	57.0	46.5	47.8	46.0	45.1	52.1	42.4	43.2	36.5
writing ability	54.6	57.4	62.7	52.0	52.6	53.6	46.1	55.1	44.9	45.4	41.9
Students Reporting Much Stronger Abilities and Skills in 1988											
ability to work independently	24.8	19.7	30.7	24.8	28.3	26.9	30.9	29.0	21.0	20.7	22.6
acceptance of dif races/cultures	21.7	17.7	24.1	23.6	22.7	24.0	24.7	19.6	18.4	17.9	21.7
committment to specific career	28.8	26.7	30.3	28.7	30.8	28.8	34.9	31.3	25.8	26.3	22.1
concern about financial security	31.5	29.8	28.2	34.3	30.8	34.3	32.8	24.3	30.4	29.1	39.2
confidence in academic abilities	15.1	14.0	15.1	15.7	15.3	16.3	15.0	14.0	19.1	19.7	14.6
critical thinking ability	19.2	17.4	26.4	16.7	22.4	24.8	23.0	18.3	16.3	16.0	18.2
cultural awareness	26.3	25.8	35.5	22.4	29.0	31.9	31.3	23.2	14.0	12.6	23.7
foreign language ability	10.2	10.9	14.0	8.0	11.2	12.1	12.7	8.9	4.7	4.5	6.0
general knowledge	32.8	33.4	42.8	29.9	32.8	32.7	37.5	30.0	32.1	33.0	26.4
interest in grad/prof school	28.6	28.8	33.7	26.5	29.7	33.8	32.2	22.0	27.5	29.0	17.3
interpersonal skills	18.5	17.3	26.4	15.9	20.9	21.5	25.5	17.2	15.1	14.3	20.8
job-related skills	18.6	16.1	24.2	19.1	19.0	19.2	18.1	19.1	23.3	22.6	27.9
knowledge of particular field	40.8	38.5	51.4	37.6	44.1	45.3	42.9	43.1	37.4	37.4	37.4
leadership abilities	11.1	8.5	14.0	12.2	11.7	15.1	9.2	8.2	11.4	12.8	2.2
motivation to earn degree	36.5	33.2	33.7	38.9	37.8	42.0	37.0	32.2	39.5	40.0	35.5
preparation for grad/prof school	15.2	14.6	20.5	12.7	17.5	21.6	15.1	12.9	12.6	13.2	8.7
problem-solving skills	14.0	15.0	16.9	12.4	14.1	13.6	16.1	13.7	12.5	12.8	10.8
religious beliefs & convictions	8.1	6.4	15.8	6.0	10.3	7.8	10.4	14.1	5.5	5.2	7.7
speaking and writing ability	16.4	13.6	21.5	16.6	17.7	19.6	19.8	13.5	15.8	16.2	13.4
tolerance of different beliefs	22.0	18.4	25.4	22.6	24.2	24.6	28.2	21.0	16.9	16.3	21.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (in 1986)											
be elected to student office....	3.7	2.9	5.6	3.0	4.7	4.9	3.2	5.5	3.5	3.9	0.8
be satisfied with college.....	59.2	63.6	75.0	53.9	56.9	58.3	53.6	56.9	53.1	53.0	54.1
change career choice.....	15.8	19.5	21.1	12.2	15.4	16.0	13.8	15.4	9.7	9.8	9.5
change major field.....	16.8	21.7	19.6	13.7	15.3	15.6	13.1	16.0	10.1	10.3	8.9
drop out permanently.....	0.5	0.1	0.7	0.4	0.9	1.5	0.0	0.7	0.9	1.0	0.0
drop out temporarily.....	0.9	0.5	1.3	0.6	1.4	2.1	0.8	0.7	2.6	2.8	1.3
fail one or more courses.....	0.9	1.3	1.1	0.7	0.7	1.0	0.7	0.3	3.0	3.4	0.8
get job to pay expenses.....	42.7	42.1	49.5	42.5	41.4	38.9	44.1	43.5	36.2	35.2	43.0
join social frat or sorority....	24.8	30.3	35.7	20.5	21.9	21.0	20.9	23.9	8.9	7.6	17.1
make at least "B" average.....	41.9	43.8	54.5	39.7	39.2	39.9	41.3	36.8	35.8	35.5	37.3
marry while in college.....	4.7	3.6	5.1	4.4	5.9	3.8	2.0	11.2	4.7	5.0	2.3
participate in student protests.	5.8	4.9	8.5	4.9	7.0	9.7	4.1	4.7	1.9	2.0	1.2
play varsity athletics.....	11.2	6.0	14.7	12.1	14.3	14.9	13.0	14.1	11.6	12.2	7.4
receive individual counseling...	3.2	3.0	3.7	3.1	3.4	3.7	2.9	3.3	5.5	5.7	4.6
receive vocational counseling...	7.6	9.3	11.2	5.9	7.2	8.8	6.6	5.2	3.7	3.7	3.5
transfer to another college.....	9.0	4.8	5.1	13.1	9.1	7.1	3.8	15.4	9.5	10.0	6.4
work at outside job.....	22.5	23.0	21.5	25.1	19.3	16.9	23.5	20.3	24.3	23.9	26.8
work full-time while attending..	2.8	3.6	2.0	2.9	2.1	1.5	1.1	3.7	5.4	6.1	0.9
Events Occurring by 1988											
was elected to student office...	14.9	9.9	20.2	12.9	21.2	21.8	16.7	23.1	18.5	18.4	19.3
satisfied with freshman coll (5)	78.3	82.2	80.4	74.2	78.6	77.7	82.0	77.8	75.5	76.6	67.0
changed career choice (5).....	45.7	48.9	46.7	46.2	41.3	41.0	40.8	42.2	46.1	44.9	53.1
changed major field (5).....	44.5	52.0	41.9	40.6	43.2	39.6	53.5	41.9	39.9	39.9	39.6
dropped out permanently (5).....	5.6	4.1	2.5	7.8	5.4	5.5	3.0	6.9	13.9	13.8	14.8
dropped out temporarily (5).....	6.5	4.6	7.5	8.5	5.7	6.3	6.9	4.2	3.4	3.3	4.6
failed one or more courses.....	31.5	32.7	19.4	39.5	23.5	23.9	14.8	28.3	36.5	36.8	34.6
joined social frat or sorority..	22.8	27.3	25.0	20.0	21.0	20.6	12.2	26.9	11.6	11.2	14.4
made at least "B" average (5)...	58.8	63.4	73.1	50.8	60.1	58.8	64.4	59.4	53.5	53.6	52.5
got married.....	2.9	2.5	2.3	2.6	3.7	1.2	1.9	8.3	5.5	5.7	3.7
participated in student protests	14.2	11.2	15.3	14.0	17.4	24.5	10.1	11.3	6.6	6.1	10.4
played intercollegiate sports...	20.9	16.3	23.1	20.2	26.2	26.0	30.2	24.0	19.8	18.4	28.8
received personal counseling....	15.1	13.0	16.2	14.3	18.1	17.1	18.9	19.2	9.6	9.2	12.3
received vocational counseling..	40.3	39.0	39.9	39.9	42.5	35.0	53.2	46.8	34.7	33.1	45.0
transferred before graduating(5)	18.5	20.5	12.3	18.7	18.1	17.6	14.0	21.3	14.7	14.7	14.8
worked full-time while student..	10.0	9.0	6.4	12.4	9.0	5.6	19.0	7.8	12.4	10.8	23.2
worked part-time job off campus.	52.1	52.3	48.0	57.9	45.7	39.9	63.0	43.7	62.2	63.6	52.4
worked part-time job on campus..	45.1	42.1	52.2	37.2	56.1	55.7	65.2	50.9	33.6	29.8	59.1
Other College Activities											
enrolled in honors program.....	24.2	23.3	33.6	18.7	29.2	32.5	27.4	25.6	17.3	17.2	17.4
in college internship program...	6.5	7.0	10.4	2.8	9.4	9.9	8.5	9.1	14.4	13.6	19.7
in study abroad program.....	6.0	5.0	9.3	3.4	9.4	10.2	6.7	9.7	2.3	2.0	3.8
taken reading/study skills class	21.1	13.0	15.1	26.4	24.7	24.2	31.9	20.9	26.3	25.4	32.2
taken remedial/develop. classes.	12.4	7.6	3.8	18.2	12.7	13.1	7.4	15.4	18.0	18.3	15.6
worked in political campaign....	7.9	10.5	11.2	5.3	7.6	9.6	4.9	6.4	3.4	3.9	0.4
worked on prof's research proj..	10.6	9.2	13.9	11.8	9.7	10.1	10.6	8.5	10.4	10.1	12.4

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
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FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Past Year Reported in 1986											
attended public recital/concert.	84.0	82.9	86.9	82.3	86.5	88.0	82.4	86.7	73.1	72.8	74.7
been guest in teacher's home....	34.0	31.1	41.0	31.1	38.6	37.5	31.8	44.5	28.9	29.7	23.8
didn't complete homework on time	67.9	68.9	60.6	66.7	70.3	73.2	66.9	68.1	64.2	62.3	77.1
drank beer.....	61.4	63.0	58.0	62.4	59.4	62.6	67.1	50.0	70.9	70.7	72.2
felt depressed (6).....	9.7	8.7	7.7	10.5	10.3	10.0	10.1	11.0	10.1	10.0	10.8
felt overwhelmed (6).....	23.8	26.9	21.4	21.6	24.1	24.1	20.0	26.7	21.7	21.3	24.6
missed school due to illness (6)	5.6	5.2	5.5	4.7	7.2	9.3	5.6	5.2	6.6	5.6	13.5
smoked cigarettes (6).....	8.2	4.7	4.6	9.9	10.7	15.9	8.3	4.4	16.9	16.6	19.1
stayed up all night.....	76.2	77.7	75.8	76.1	74.9	79.6	68.7	71.7	75.7	76.4	70.9
tutored another student.....	48.5	51.9	62.8	42.0	49.1	52.6	44.2	47.1	32.6	33.3	28.1
won varsity letter in sports....	40.5	36.6	43.7	43.4	39.8	40.6	36.3	40.8	39.4	41.1	28.0
Reported in 1988											
assisted faculty in teaching....	11.2	7.4	9.9	10.1	16.7	18.1	14.9	15.8	18.4	19.2	12.7
attended musical recital/concert	76.3	73.0	79.4	73.5	82.4	84.5	78.9	81.4	61.5	60.0	71.4
been guest in professor's home..	18.8	11.5	23.5	12.5	33.0	35.5	17.6	38.6	19.3	17.6	30.8
been lonely or homesick (6).....	12.0	13.8	10.3	10.8	12.2	12.5	10.4	12.9	8.5	8.5	8.2
cheated on quiz or exam.....	16.9	14.9	11.5	21.7	14.7	16.4	17.5	10.3	15.4	15.5	15.4
confided in friend about problem	96.6	97.1	96.2	96.5	96.3	97.1	95.8	95.6	94.0	93.8	95.8
copied homework from other stdnt	28.1	26.6	27.8	31.7	25.2	27.1	23.9	23.2	32.0	30.3	43.5
didn't complete homework on time	54.4	50.0	56.6	56.4	55.8	55.5	47.9	61.0	49.5	48.5	56.4
discussed course w/student (6)..	68.4	68.1	75.5	66.3	69.3	71.2	65.7	68.6	59.4	60.5	52.3
drank beer.....	66.9	73.9	62.9	62.9	66.0	69.8	73.5	55.5	64.9	64.3	69.1
drank wine or liquor.....	77.3	82.1	71.2	77.1	74.5	78.9	72.0	69.5	73.8	72.6	82.1
felt depressed (6).....	19.5	19.2	17.2	21.3	18.3	19.5	17.7	16.9	18.2	17.4	23.7
felt like leaving college.....	48.1	45.6	38.5	54.7	45.0	44.5	43.2	46.7	51.5	50.5	57.8
felt overwhelmed (6).....	37.2	37.6	38.2	37.1	36.7	36.7	30.6	40.3	33.2	31.2	46.7
jogged (6).....	15.1	13.4	22.7	14.3	15.8	14.7	17.6	16.3	8.4	8.0	11.4
missed class due to illness (6).	3.7	2.3	2.6	4.8	3.9	3.7	5.3	3.4	4.2	4.5	2.3
participated in intramural sport	35.1	35.7	44.5	32.0	35.5	33.9	42.6	33.4	35.5	35.3	37.3
smoked cigarettes (6).....	10.4	8.4	9.1	10.3	13.0	16.6	10.7	9.0	20.1	19.8	22.3
stayed up all night.....	68.0	69.3	71.6	66.4	67.7	74.4	60.9	61.9	65.8	66.0	64.6
took interdisciplinary course...	39.1	38.8	49.3	32.5	44.8	45.4	40.4	46.6	23.2	23.4	21.3
tutored another student.....	44.1	41.9	47.0	44.4	45.3	44.8	47.3	44.8	39.9	39.9	39.6
worked on group proj in class...	79.4	74.0	79.1	83.7	79.6	79.5	76.1	81.9	82.5	81.8	87.6
worked on independent res proj..	40.8	32.7	38.6	42.1	48.1	54.2	46.5	40.2	50.7	51.4	45.7
Political Views in 1986											
far left.....	1.5	1.0	0.6	1.6	2.1	3.5	0.4	1.0	1.3	1.3	1.3
liberal.....	24.0	21.8	26.8	25.0	24.2	29.7	19.1	18.9	19.0	20.1	11.3
middle of the road.....	57.4	61.4	47.9	56.5	57.1	50.9	67.1	60.1	68.4	66.9	78.4
conservative.....	16.6	15.3	24.4	16.1	16.2	15.7	13.0	18.8	11.0	11.4	7.9
far right.....	0.6	0.6	0.3	0.8	0.5	0.1	0.3	1.3	0.4	0.3	1.1
Political Views in 1988											
far left.....	1.2	1.2	0.5	1.3	1.3	1.6	1.1	0.9	1.1	1.1	1.0
liberal.....	27.4	29.9	29.9	23.1	29.4	34.4	33.4	19.6	17.8	18.4	13.8
middle of road.....	51.3	51.1	41.8	56.8	47.3	45.5	46.1	50.9	68.4	67.5	74.4
conservative.....	19.5	17.4	27.7	18.3	20.9	16.4	19.4	28.5	12.4	12.6	10.9
far right.....	0.6	0.4	0.2	0.5	1.0	2.1	0.0	0.1	0.4	0.4	0.0

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1986											
with parents or relatives	11.2	11.9	5.3	11.7	11.5	11.7	8.1	13.0	23.3	24.9	13.9
other private home or apartment	27.1	26.3	19.3	33.1	22.8	17.9	25.2	28.2	28.7	28.7	28.7
college dormitory	47.1	45.7	62.6	39.8	53.2	56.3	57.2	47.2	35.8	34.1	45.9
fraternity or sorority house	6.2	9.8	5.3	5.2	3.9	3.5	4.4	4.1	4.2	4.1	4.3
other campus housing	6.9	5.1	6.0	8.3	7.1	8.6	4.1	6.6	3.1	3.3	2.2
other	1.5	1.2	1.5	1.8	1.4	2.0	1.0	0.9	4.9	4.9	5.0
Planned for Fall 1986											
with parents or relatives	17.3	14.8	11.3	27.1	9.4	7.7	12.6	10.0	48.5	50.6	34.8
other private home or apartment	2.6	4.1	1.4	2.2	2.0	3.2	2.3	0.0	11.7	13.2	1.6
college dormitory	76.1	73.6	85.4	67.3	87.0	88.0	82.5	88.4	37.5	33.9	62.3
fraternity or sorority house	0.4	0.4	0.0	0.6	0.2	0.3	0.3	0.0	0.2	0.0	1.2
other campus housing	3.4	6.9	1.8	2.8	1.2	0.9	2.0	1.2	1.8	2.1	0.0
other	0.2	0.2	0.2	0.1	0.2	0.0	0.2	0.4	0.2	0.2	0.0
First Year											
with parents or relatives	17.4	14.3	11.9	27.1	10.2	8.0	13.4	11.4	47.9	49.6	35.9
other private home,apt,room	3.0	5.4	2.1	2.3	1.7	2.3	2.6	0.3	10.8	12.1	1.8
college dormitory	77.1	77.5	83.2	67.1	87.1	88.8	81.7	88.0	38.3	35.1	61.0
frat or sorority house	0.2	0.3	0.0	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0
other campus student housing	2.0	2.4	2.7	2.6	0.7	0.7	1.6	0.2	1.0	1.0	1.3
other	0.3	0.0	0.0	0.6	0.1	0.0	0.7	0.0	2.0	2.2	0.0
Second Year											
with parents or relatives	22.6	19.4	15.7	32.8	15.4	10.9	26.6	14.8	41.9	43.1	33.8
other private home,apt,room	15.3	26.5	15.7	12.4	7.3	7.7	5.3	8.1	14.0	14.6	9.9
college dormitory	53.8	45.6	57.9	47.2	69.5	75.5	54.5	70.2	36.9	34.6	53.9
frat or sorority house	2.7	5.1	4.1	0.9	2.1	3.0	0.3	1.9	0.0	0.0	0.0
other campus student housing	3.7	3.0	5.8	3.5	4.2	2.7	7.0	4.5	3.1	3.2	1.8
other	1.8	0.5	0.8	3.2	1.6	0.1	6.4	0.6	4.0	4.5	0.7
College Objectives Noted as Very Important or Essential											
conduct research	34.9	37.5	40.0	33.7	32.1	34.5	32.0	28.7	40.6	40.7	39.6
convey apprec. of liberal arts	50.0	39.7	59.7	43.3	66.6	66.4	62.7	69.1	34.3	32.7	45.1
develop clear thinking ability	75.3	68.8	85.8	73.9	80.5	81.3	83.9	77.3	75.1	76.2	67.6
develop creative capacities	54.0	46.8	52.2	56.5	58.9	60.0	65.9	53.1	56.4	55.9	59.7
develop moral character	51.2	37.0	58.1	51.2	63.9	56.8	82.3	63.3	53.4	52.1	61.8
develop religious convictions	20.8	7.2	35.8	16.8	35.7	23.6	54.0	42.4	15.8	10.9	48.5
develop responsible citizens	54.9	47.6	59.6	56.1	59.6	57.0	76.5	53.1	53.9	54.5	50.6
gain deeper level of understand.	47.9	34.6	53.1	48.8	59.1	55.3	73.0	56.1	51.6	51.7	50.8
increase self-directed learning.	57.2	50.3	66.4	56.4	62.7	68.9	54.3	58.4	56.9	56.2	62.0
master knowledge in discipline	63.0	58.5	76.0	63.4	63.4	67.5	58.0	60.7	48.4	47.2	56.1
prepare students for employment.	72.8	71.7	72.8	75.5	70.5	66.0	81.9	70.2	71.9	72.3	69.3
prepare students for family liv.	25.9	19.4	31.3	27.1	29.5	23.3	36.8	34.1	33.2	32.8	36.3
prepare students for grad school	51.5	46.4	64.1	51.1	53.7	51.6	55.3	55.8	46.5	47.9	37.5
provide for emotional develop.	42.8	33.9	49.5	43.1	49.9	44.5	65.7	48.2	44.5	44.0	47.7
provide skilled workers for bus.	48.2	44.4	51.8	50.6	47.9	45.4	62.5	42.8	55.8	54.8	62.2
provide tools for living in soc.	59.1	56.0	65.3	58.2	61.6	61.6	64.4	59.9	49.3	49.0	51.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Personal Objectives Noted as Very Important or Essential in 1986											
achieve in a performing art.....	11.5	11.0	14.9	10.4	12.4	15.3	6.4	12.0	10.9	10.9	11.2
be expert on finance/commerce...	21.9	20.0	25.1	26.0	17.9	19.9	20.3	13.3	16.3	17.6	7.3
be involved in environ cleanup..	14.3	12.8	13.5	14.7	15.5	20.4	8.5	12.4	10.5	10.7	9.6
be successful in own business...	44.3	44.1	44.9	47.5	40.5	40.9	40.2	40.0	43.0	42.4	46.6
be very well off financially....	68.1	72.3	62.8	70.3	62.9	64.6	67.4	57.6	72.9	72.7	73.8
become authority in my field....	73.6	74.7	74.7	75.2	70.1	71.4	61.8	73.4	67.2	69.2	53.8
create artistic work.....	12.8	13.5	18.3	11.5	12.2	15.6	8.5	9.4	12.7	12.4	14.4
develop philosophy of life.....	41.9	41.9	49.7	38.0	44.5	47.9	41.0	41.5	34.5	35.5	27.8
have admin. responsibility.....	41.0	41.3	41.6	44.4	36.2	36.5	37.7	35.0	45.0	45.5	41.9
help others in difficulty.....	67.0	64.0	66.9	65.9	71.3	73.0	67.0	71.4	60.9	62.8	49.1
influence political structure...	13.7	11.8	17.9	13.5	14.6	18.1	12.9	10.3	8.6	9.6	2.2
influence social values.....	36.1	33.2	39.9	35.4	38.6	40.7	31.9	39.6	32.3	33.8	22.6
obtain recog from colleagues....	56.4	56.5	51.6	61.0	52.0	55.9	39.3	54.3	51.1	52.4	42.3
participate in community action.	22.4	20.1	29.7	20.7	24.5	28.8	22.1	19.6	15.1	14.8	17.3
promote racial understanding....	32.2	30.4	36.3	30.8	34.6	37.9	34.3	30.0	28.2	28.0	29.3
raise a family.....	68.5	70.3	73.0	65.8	68.8	62.3	75.9	73.8	67.9	67.3	71.9
theoretical contrib. to science.	11.0	13.8	14.3	10.2	8.4	10.5	6.6	6.5	6.1	6.5	3.8
write original works.....	13.5	12.6	15.6	13.6	13.5	16.2	10.0	11.7	11.0	11.8	5.7
in 1988											
achieve in a performing art.....	9.9	8.9	14.1	9.6	10.2	10.4	10.2	9.8	6.4	5.6	12.1
be expert on finance/commerce...	17.3	16.7	18.5	17.5	17.3	18.2	17.5	15.7	12.0	12.7	6.7
be involved in environ cleanup..	20.6	19.1	23.7	20.1	21.8	25.2	20.3	17.8	16.3	16.7	13.2
be successful in own business...	38.2	35.9	38.9	40.8	36.9	40.1	45.5	26.9	33.8	35.2	24.4
be very well off financially....	57.7	57.8	54.8	63.0	51.6	56.2	47.5	47.4	64.1	66.9	44.7
become authority in my field....	65.6	64.7	67.4	66.0	65.5	69.6	61.6	61.7	62.1	63.1	55.7
create artistic work.....	15.6	14.1	21.7	14.2	17.3	18.3	24.1	11.5	11.9	11.0	18.4
develop philosophy of life.....	46.2	46.2	53.7	44.5	46.2	49.8	44.7	41.9	36.3	34.6	48.5
get married.....	68.2	71.2	72.5	66.8	65.6	66.6	61.5	66.6	69.4	68.4	75.7
have admin. responsibility.....	41.9	42.5	40.3	44.8	37.8	39.2	38.6	35.4	46.3	47.9	35.4
help others in difficulty.....	69.3	64.1	69.6	71.0	72.5	70.7	70.3	76.5	69.8	68.8	76.4
influence political structure...	15.6	14.2	17.8	15.5	16.7	19.2	17.5	12.7	12.1	12.9	6.9
influence social values.....	44.0	36.7	47.8	44.8	49.4	48.4	49.0	51.2	42.9	43.9	36.2
obtain recog from colleagues....	48.9	48.9	46.0	49.2	49.4	55.3	41.9	45.3	52.0	52.6	47.6
participate in community action.	25.7	23.3	28.1	23.8	29.9	31.6	27.4	28.8	18.6	19.3	14.2
promote racial understanding....	37.5	34.0	43.6	35.7	41.8	43.8	40.8	39.4	30.3	30.6	28.1
raise a family.....	69.2	69.9	74.4	69.0	67.2	67.5	61.1	70.6	73.8	73.6	74.9
theoretical contrib. to science.	8.3	10.0	10.8	7.0	7.4	9.6	5.5	5.6	7.5	7.7	6.2
write original works.....	14.2	13.0	17.0	13.9	14.9	15.6	14.4	14.2	10.9	11.1	9.6
Permission to Use I.D. in 1986											
yes.....	83.2	85.0	79.4	84.1	81.1	83.1	81.6	77.7	79.1	80.3	70.8
no.....	16.8	15.0	20.6	15.9	18.9	16.9	18.4	22.3	20.9	19.7	29.2
Permission to Use I.D. in 1988											
yes.....	69.5	71.7	66.6	66.7	71.6	73.1	72.3	69.0	66.3	65.6	71.1
no.....	30.5	28.3	33.4	33.3	28.4	26.9	27.7	31.0	33.7	34.4	28.9

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agrees Strongly or Somewhat in 1986											
abortion should be legalized....	62.7	66.2	67.0	63.2	57.6	66.8	46.3	50.9	54.2	56.8	36.7
activities of women best in home	12.4	9.9	10.9	13.8	13.6	10.5	19.8	14.2	14.4	13.3	21.5
busing OK to achieve balance....	55.6	53.5	51.6	54.6	60.2	62.3	60.9	56.6	64.4	64.5	64.0
college raises earning power....	61.4	59.3	53.8	67.9	57.6	54.7	61.2	59.7	77.1	77.3	76.1
college regulate off-campus acts	9.2	8.3	8.5	9.4	9.9	9.1	11.2	10.2	12.9	13.2	11.1
gov't not promoting disarmament.	73.0	71.2	73.0	73.7	73.7	73.1	79.1	71.3	73.0	73.3	70.7
high school grading too easy....	50.8	53.3	57.0	48.8	49.2	49.3	45.5	51.5	43.0	43.0	42.8
increase military spending.....	19.1	20.7	13.0	20.6	17.2	18.6	11.2	18.9	19.0	18.8	20.8
live together before marriage...	49.5	48.3	46.0	52.4	48.0	54.7	46.1	39.4	52.4	54.3	40.3
marijuana should be legalized...	17.5	19.3	15.9	14.9	19.3	27.3	13.3	11.3	23.2	23.4	22.2
national health care plan needed	62.1	58.8	56.3	65.5	62.8	64.4	55.8	64.7	71.5	71.1	74.0
no coll invest in S Africa co's.	47.3	50.0	51.5	44.1	47.6	51.2	41.1	46.2	35.1	34.2	41.8
prohibit homosexual relations...	38.3	29.2	34.1	43.1	42.4	38.6	43.4	47.7	46.0	45.3	51.1
raise taxes to reduce deficit...	21.0	23.9	22.9	17.7	21.8	24.4	16.7	21.0	15.1	15.7	11.3
students help evaluate faculty..	73.0	74.0	82.0	70.1	73.3	75.8	75.4	68.2	67.6	67.6	67.8
in 1988											
abortion should be legalized....	62.0	69.4	58.1	61.4	56.1	63.4	43.2	53.3	51.0	52.0	44.4
activities of women best in home	9.8	8.8	10.5	11.4	8.4	9.7	6.3	7.6	11.8	10.1	23.3
busing OK to achieve balance....	47.4	46.0	47.5	44.6	52.3	56.2	54.4	45.0	48.9	49.5	45.2
college grading too easy.....	18.5	14.6	20.2	19.0	21.5	24.1	17.6	20.0	13.6	12.6	20.7
college raises earning power....	47.3	49.3	37.4	50.6	43.8	44.0	40.0	46.0	56.3	57.0	51.6
college regulate off-campus acts	7.0	5.4	8.7	7.4	7.5	7.3	4.7	9.4	9.0	9.6	5.2
employers can require drug test.	68.4	69.2	69.2	67.8	68.0	62.7	70.5	74.4	67.5	69.0	56.9
gov't not promoting disarmament.	73.8	69.7	76.1	75.3	75.6	75.1	70.8	79.2	79.2	79.0	80.9
increase military spending.....	15.0	14.6	9.4	16.0	15.9	17.3	9.5	17.9	19.9	20.7	15.0
live together before marriage...	44.7	46.7	40.4	45.5	42.9	51.8	36.8	33.4	48.6	51.2	31.3
mandatory testing for AIDS.....	55.8	55.3	49.3	57.4	56.0	54.4	62.1	54.7	70.9	70.9	70.6
marijuana should be legalized...	19.1	21.5	18.5	17.8	18.4	22.8	12.0	15.7	19.9	19.8	20.4
national health care plan needed	68.3	63.2	60.3	72.2	70.9	72.4	75.0	66.2	72.1	72.5	69.7
no coll invest in S Africa co's.	53.0	53.1	61.3	49.5	54.8	59.7	46.2	52.8	35.2	36.3	27.9
prohibit homosexual relations...	27.6	20.6	27.6	32.7	28.5	25.1	32.8	31.1	38.2	37.0	46.1
raise taxes to reduce deficit...	22.1	23.8	26.8	20.0	21.8	23.9	15.4	22.7	17.4	18.8	8.1
sex OK if people like each other	36.2	42.2	35.3	33.6	33.5	41.8	22.2	27.9	33.1	33.0	33.6
students help evaluate faculty..	85.2	85.8	90.5	82.0	87.2	87.4	88.3	86.3	82.1	83.0	76.0

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
None											
studying/doing homework	0.3	0.4	0.1	0.5	0.1	0.1	0.3	0.1	0.8	1.0	0.0
socializing with friends	0.4	0.2	0.7	0.5	0.2	0.3	0.2	0.1	0.4	0.3	0.9
talk with faculty outside class	14.7	15.8	13.1	15.3	13.4	11.5	18.6	13.0	19.6	20.9	10.9
exercising/sports	8.7	7.9	3.4	10.3	9.1	8.2	10.8	9.3	7.0	7.2	5.7
using a personal computer	54.8	54.1	50.6	55.6	55.7	56.1	61.7	51.3	57.9	57.6	59.9
partying	19.5	17.3	19.0	19.6	21.6	18.7	15.1	30.0	17.4	16.8	21.4
working (for pay)	28.2	25.9	33.6	27.0	30.4	29.9	23.9	35.1	22.4	22.3	23.1
volunteer work	51.3	55.0	43.7	51.9	49.1	50.4	45.9	49.0	55.5	53.6	67.8
student clubs/groups	20.0	18.7	10.7	23.6	19.2	19.8	15.8	20.5	37.9	37.3	42.0
watching TV	7.8	7.6	12.2	6.0	8.8	10.1	9.9	6.3	4.2	3.5	8.7
religious services/meetings	30.9	34.8	28.0	32.0	26.5	31.0	18.2	24.9	34.4	34.1	36.3
hobbies	9.8	10.2	8.1	10.2	9.3	8.0	10.3	10.6	8.2	8.7	5.1
Six or More											
studying/doing homework	58.0	56.7	68.1	54.6	60.5	59.6	61.8	61.0	46.7	47.4	42.0
socializing with friends	81.7	84.3	84.5	79.1	81.5	80.6	84.3	81.2	75.7	74.7	82.5
talk with faculty outside class	7.9	7.3	7.5	7.6	9.0	10.8	7.7	7.2	8.0	7.9	8.6
exercising/sports	42.7	40.3	49.7	42.8	42.8	44.2	37.5	44.2	45.6	47.8	30.7
using a personal computer	6.7	6.5	6.1	7.3	6.3	6.4	5.3	6.8	9.2	9.2	9.3
partying	34.3	38.9	33.3	34.4	29.9	33.2	33.6	22.8	37.5	36.9	41.1
working (for pay)	61.7	64.4	55.1	64.4	57.5	57.4	66.3	52.3	66.7	67.8	59.5
volunteer work	6.1	5.7	7.7	5.7	6.5	6.4	6.6	6.4	9.2	9.3	9.0
student clubs/groups	20.9	19.6	30.8	19.1	21.6	20.2	18.5	25.5	14.5	14.9	12.0
watching TV	35.9	34.0	23.5	40.0	36.1	35.0	37.6	36.9	38.7	38.7	38.5
religious services/meetings	5.6	3.9	7.8	5.5	6.7	6.8	2.9	9.0	4.0	3.8	5.5
hobbies	25.2	23.2	21.1	26.8	26.2	29.5	24.4	22.3	24.5	24.3	25.8
Sixteen or More											
studying/doing homework	11.3	10.7	18.1	9.5	12.2	14.1	11.3	10.1	6.0	6.1	5.4
socializing with friends	35.9	38.7	33.6	36.4	33.4	35.8	29.5	32.2	34.3	34.7	31.6
talk with faculty outside class	1.1	0.7	1.1	1.1	1.4	1.7	1.1	1.2	1.0	0.9	2.1
exercising/sports	11.6	11.4	13.6	12.5	10.2	10.5	9.7	10.0	10.1	10.5	7.3
using a personal computer	0.8	0.7	0.4	1.0	0.9	1.3	0.7	0.6	2.3	2.4	1.5
partying	7.6	7.6	4.5	8.7	7.0	8.4	5.5	5.9	12.2	13.3	4.9
working (for pay)	35.6	37.9	28.8	39.1	30.9	29.8	31.2	32.4	41.2	42.7	31.5
volunteer work	1.4	0.5	1.1	2.0	1.6	1.4	2.8	1.1	2.5	2.9	0.0
student clubs/groups	4.1	3.5	5.0	4.0	4.5	3.2	6.1	5.4	3.7	3.7	3.6
watching TV	6.8	5.8	3.6	8.8	6.2	7.3	2.1	7.0	3.8	3.9	3.2
religious services/meetings	0.9	0.1	1.5	0.4	1.9	1.6	2.5	1.8	0.7	0.8	0.0
hobbies	4.6	4.6	4.8	4.3	4.7	5.4	6.3	2.8	3.1	3.4	0.6

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
None											
attending classes/lab sessions..	1.6	0.5	0.8	2.3	2.2	1.1	0.8	4.8	2.8	2.9	2.1
studying/doing homework.....	0.2	0.0	0.0	0.5	0.2	0.0	0.0	0.6	0.5	0.6	0.0
socializing with friends.....	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
talk with faculty outside class.	10.5	14.7	12.7	11.4	4.5	3.4	5.2	5.6	9.0	9.4	6.6
exercising/sports.....	6.6	5.9	4.4	8.7	5.5	6.5	3.8	5.2	6.7	7.1	3.9
reading for pleasure.....	25.5	29.3	26.5	25.2	21.7	23.2	16.1	22.9	22.1	19.6	39.5
using a personal computer.....	46.4	51.5	40.8	48.6	39.9	43.7	36.8	36.0	47.1	46.2	53.6
partying.....	15.5	13.8	14.0	16.3	16.5	14.2	8.2	24.9	21.5	22.1	17.0
working (for pay).....	32.3	37.1	30.1	30.8	29.8	33.8	17.9	31.1	28.5	31.5	6.5
volunteer work.....	68.2	69.9	54.8	72.0	65.6	67.1	57.6	68.1	71.2	73.0	57.8
student clubs/groups.....	42.1	44.6	33.0	48.2	34.3	34.1	29.8	37.4	57.4	59.2	44.6
watching TV.....	11.5	10.1	20.5	8.6	13.9	17.5	10.8	10.5	7.7	8.0	5.2
commuting to campus.....	56.9	49.8	60.5	48.4	73.9	80.4	61.4	71.9	35.4	34.0	45.7
religious services/meetings.....	49.2	54.7	44.4	49.4	44.6	55.3	29.8	37.8	53.4	54.4	46.4
hobbies.....	22.4	25.5	22.9	20.7	21.0	20.2	24.0	20.4	25.6	26.2	21.3
Six or More											
attending classes/lab sessions..	87.5	85.9	92.7	85.7	89.9	88.7	93.6	89.6	82.8	83.8	75.9
studying/doing homework.....	77.2	81.5	86.9	72.1	76.4	77.8	72.1	77.0	73.3	74.4	65.4
socializing with friends.....	77.2	79.3	84.8	72.8	78.4	79.1	70.1	82.4	68.1	67.7	70.9
talk with faculty outside class.	2.0	0.9	0.6	2.2	3.3	3.6	3.9	2.5	2.3	1.9	4.8
exercising/sports.....	21.3	22.0	28.3	18.6	22.2	22.1	21.8	22.5	18.3	18.6	16.6
reading for pleasure.....	6.1	5.6	4.9	6.7	6.4	7.1	4.1	6.7	6.4	6.9	3.2
using a personal computer.....	8.0	6.0	10.8	8.9	8.0	8.7	6.8	7.7	10.7	11.5	5.3
partying.....	30.1	33.4	31.1	26.7	30.5	32.1	31.0	27.9	29.1	29.8	23.7
working (for pay).....	57.2	55.7	55.0	59.8	56.3	53.5	73.3	50.2	62.3	60.6	74.9
volunteer work.....	2.6	3.2	5.1	1.7	2.3	2.1	2.2	2.6	5.2	5.3	4.4
student clubs/groups.....	9.9	9.3	14.3	8.9	10.7	13.5	8.1	8.2	4.5	4.5	4.2
watching TV.....	24.4	26.7	15.4	30.2	17.4	19.0	13.7	17.2	21.1	22.8	9.1
commuting to campus.....	8.5	11.2	6.9	10.1	4.2	4.0	4.1	4.4	14.9	15.0	13.8
religious services/meetings.....	1.6	1.2	3.1	1.1	2.4	1.5	0.9	4.5	1.1	0.8	3.1
hobbies.....	6.6	5.6	5.8	7.3	7.1	6.8	6.2	8.0	7.9	8.1	6.4
Sixteen or More											
attending classes/lab sessions..	43.1	44.7	50.9	39.7	43.4	38.9	46.9	47.9	47.9	48.2	46.2
studying/doing homework.....	23.6	24.9	38.2	19.6	23.0	22.3	21.2	25.0	16.8	17.8	9.7
socializing with friends.....	30.4	28.4	36.4	30.7	30.4	32.2	31.8	26.9	23.5	24.2	18.6
talk with faculty outside class.	0.2	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
exercising/sports.....	3.1	1.5	4.8	3.5	3.8	3.6	2.2	5.1	1.2	1.3	0.6
reading for pleasure.....	1.1	0.7	0.9	1.4	1.1	1.6	0.7	0.6	1.0	0.9	2.2
using a personal computer.....	1.7	1.8	1.3	2.0	1.3	1.4	0.3	1.7	1.6	1.6	2.2
partying.....	4.4	4.6	5.7	5.1	3.1	3.1	3.8	2.8	7.5	7.7	6.3
working (for pay).....	26.5	25.7	23.5	33.0	20.0	15.8	27.7	21.7	33.7	32.5	42.5
volunteer work.....	0.5	0.9	0.0	0.5	0.3	0.2	0.5	0.5	0.6	0.6	0.0
student clubs/groups.....	2.0	2.2	3.0	1.9	1.8	2.3	1.1	1.4	0.4	0.4	0.0
watching TV.....	4.7	4.8	4.1	6.2	2.8	2.9	1.6	3.6	4.5	5.2	0.0
commuting to campus.....	1.0	0.8	0.8	1.5	0.7	1.1	0.3	0.4	1.6	1.7	0.5
religious services/meetings.....	0.2	0.1	0.3	0.3	0.1	0.0	0.0	0.4	0.0	0.0	0.0
hobbies.....	1.2	0.5	0.3	1.5	1.9	1.4	0.0	3.9	0.9	1.0	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986 (7)											
artist (including performer)	8.7	8.3	11.3	7.3	10.2	12.8	5.5	9.2	5.7	4.6	12.8
businessman	19.6	19.4	17.0	21.7	18.2	16.4	26.2	15.9	20.2	20.0	21.5
clergy or religious worker	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.8	0.0	0.0	0.0
college teacher	0.3	0.2	0.1	0.2	0.7	0.5	0.5	1.1	0.2	0.0	1.5
doctor (MD or DDS)	6.2	11.3	9.0	2.4	4.8	4.6	6.2	4.4	1.1	1.0	1.7
education (secondary)	4.0	3.0	2.6	4.6	4.8	4.0	2.9	7.0	5.8	6.1	3.3
education (elementary)	10.2	5.2	1.4	14.4	12.6	10.0	17.7	13.3	8.1	8.9	2.0
engineer	3.0	5.4	4.8	1.7	1.4	2.3	0.0	0.9	3.0	3.4	0.0
farmer or forester	0.3	0.3	0.3	0.3	0.2	0.4	0.0	0.0	0.8	0.9	0.0
health professional (non-M.D.)	6.0	7.8	6.4	6.2	3.9	4.3	3.2	3.7	6.5	5.9	10.3
lawyer	5.5	5.0	5.3	5.6	6.0	6.2	4.7	6.3	1.7	1.5	3.2
nurse	3.2	1.9	3.0	4.9	2.3	0.8	3.9	3.5	4.5	4.6	3.8
scientific researcher	1.6	1.7	3.0	0.9	1.9	2.1	1.0	2.1	0.9	1.1	0.0
other choice	17.9	15.6	18.4	18.9	18.8	21.9	15.9	16.1	27.2	26.3	33.7
undecided	13.4	14.9	17.3	10.9	14.0	13.6	12.3	15.5	14.5	15.6	6.3
Probable Career in 1988 (7)											
artist (including performer)	9.0	6.2	13.7	9.4	10.3	12.1	8.9	8.3	5.3	4.2	12.2
businessman	21.5	21.8	22.3	24.1	17.7	15.2	25.6	17.0	23.5	25.1	13.3
clergy or religious worker	0.2	0.1	0.0	0.1	0.3	0.0	0.0	0.9	0.1	0.0	1.1
college teacher	1.0	1.0	1.1	0.9	1.1	1.4	1.3	0.5	0.3	0.3	0.0
doctor (MD or DDS)	4.1	7.0	5.7	2.2	3.0	3.1	5.3	1.5	0.8	0.7	1.2
education (secondary)	4.4	3.5	2.5	5.0	5.1	2.8	4.0	9.2	2.8	2.7	3.7
education (elementary)	12.2	9.6	5.2	15.9	12.2	11.7	8.8	14.7	11.9	11.8	12.2
engineer	1.8	3.1	2.9	0.9	1.1	1.5	0.4	1.0	3.1	3.6	0.0
farmer or forester	0.3	0.4	0.1	0.4	0.1	0.1	0.3	0.1	0.2	0.2	0.0
health professional (non-M.D.)	4.8	7.7	5.7	3.6	2.9	3.0	3.1	2.6	6.6	6.8	5.8
lawyer	5.6	5.3	6.7	5.0	6.4	8.2	4.8	4.5	1.5	1.7	0.0
nurse	3.3	2.4	4.4	4.1	3.1	2.6	4.7	2.9	4.6	4.2	7.3
scientific researcher	1.3	1.7	1.7	0.3	1.9	2.4	0.9	1.9	0.7	0.8	0.0
other choice	23.3	22.1	19.2	22.2	27.2	28.3	26.4	25.9	33.3	34.6	25.0
undecided	7.2	8.0	8.8	5.9	7.6	7.6	5.5	9.0	5.2	3.2	18.2
Reasons Noted as Very Important or Essential for Choosing Career											
can make contribution to society	64.8	63.4	71.0	63.8	65.8	69.1	59.9	64.7	55.3	53.9	65.0
enjoy working w/people in field	78.5	80.9	77.0	77.4	77.9	75.2	80.9	80.1	84.1	82.9	92.4
job opportunities available	65.9	63.6	59.2	73.1	61.2	62.1	64.4	58.0	79.5	79.9	76.3
oppty for freedom of action	60.2	61.1	73.0	55.7	61.2	63.0	65.4	56.0	58.6	57.9	63.3
oppty for rapid career advancmnt	43.0	42.5	41.7	47.5	38.3	40.5	40.2	33.9	53.0	53.6	48.8
pays well	53.3	55.1	48.1	57.7	47.3	50.2	57.4	36.7	61.0	63.1	47.2
satisfies parent's hopes	13.3	14.5	10.7	12.0	14.4	13.1	20.8	12.5	14.5	14.5	14.4
work is challenging	79.1	82.3	81.0	75.5	80.0	79.7	75.5	83.4	73.6	74.0	70.8
work is interesting	95.3	95.8	95.3	93.9	96.4	97.0	97.4	94.9	94.3	94.5	92.8

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (7)											
agriculture	0.3	0.8	0.2	0.1	0.1	0.3	0.0	0.0	1.7	1.8	1.1
biological sciences	4.6	6.4	7.7	3.0	4.0	4.5	3.0	3.9	1.3	1.5	0.0
business	21.9	20.9	19.5	24.7	20.2	16.2	27.0	21.9	34.5	34.9	32.1
education	12.9	7.3	3.8	18.3	14.0	11.3	10.7	19.8	11.7	12.4	7.0
engineering	3.4	5.9	5.9	2.3	1.8	2.8	0.3	1.2	3.1	3.5	0.0
English	2.7	2.3	2.2	2.6	3.3	4.6	1.4	2.5	0.9	1.0	0.5
health professional	10.6	13.0	11.7	10.3	8.4	8.1	9.9	8.0	8.0	7.3	12.8
history or political science	4.5	3.1	6.4	3.5	6.7	9.1	3.3	5.3	1.0	1.1	0.0
humanities	3.5	3.0	6.6	2.0	4.8	7.3	2.7	2.7	2.5	2.8	0.9
fine arts	5.1	4.1	4.7	3.4	8.4	7.5	15.2	5.6	5.2	4.7	8.5
mathematics or statistics	0.8	1.1	1.2	0.9	0.4	0.4	0.0	0.7	0.5	0.6	0.0
physical sciences	0.9	1.3	1.7	0.6	0.5	0.5	0.1	0.7	1.1	1.1	0.8
social sciences	7.9	6.5	6.8	7.1	10.4	11.1	11.6	8.7	5.6	6.1	2.7
other technical	3.1	2.5	1.6	4.5	2.4	2.7	3.2	1.5	6.1	5.2	12.1
other non-technical	9.3	11.0	9.6	10.2	6.4	6.6	5.3	6.6	10.5	9.4	18.1
undecided	8.5	10.8	10.6	6.4	8.2	7.0	6.2	11.1	6.2	6.6	3.3
Major Noted in 1988 (7)											
agriculture	0.3	0.8	0.0	0.1	0.1	0.3	0.0	0.0	0.7	0.8	0.0
biological sciences	5.1	9.0	6.4	1.8	5.0	4.6	6.0	5.0	2.0	1.9	2.1
business	21.0	19.9	15.5	24.8	18.8	13.6	30.9	19.0	33.2	34.9	22.0
education	14.7	10.7	5.2	19.8	15.3	13.7	10.7	20.8	15.1	15.3	13.3
engineering	2.1	3.2	5.0	1.5	1.0	1.4	0.3	0.9	2.3	2.7	0.0
English	4.8	5.3	4.8	3.4	6.1	7.9	2.7	5.7	2.4	2.4	2.0
health professional	6.9	7.2	8.3	7.8	5.1	4.7	5.4	5.6	7.8	7.3	11.5
history or political science	5.8	5.2	11.7	3.9	7.0	8.0	7.7	5.1	1.1	1.0	1.7
humanities	4.5	4.3	7.0	2.2	6.9	8.0	5.4	6.2	4.0	4.0	4.0
fine arts	4.7	4.2	4.8	3.2	7.3	8.3	10.1	3.9	4.4	3.7	8.5
mathematics or statistics	1.0	1.1	1.0	0.8	1.3	1.5	0.6	1.4	0.4	0.4	0.0
physical sciences	0.9	0.9	2.2	0.6	0.8	0.9	0.0	1.1	0.4	0.4	0.0
social sciences	12.4	12.3	13.9	10.1	15.1	16.4	11.7	15.4	9.6	9.6	9.6
other technical	2.9	3.0	1.9	4.1	1.7	1.8	1.4	1.5	4.9	4.7	6.1
other non-technical	11.0	11.1	11.1	13.6	7.5	8.6	6.7	6.3	10.9	10.1	16.5
undecided	1.8	1.8	1.4	2.5	1.0	0.4	0.4	2.2	0.9	0.6	2.7
Religious Preference in 1986 (8)											
Protestant	30.6	32.8	22.1	25.9	36.9	34.8	15.5	53.3	23.5	22.3	31.4
Roman Catholic	34.9	30.7	36.8	37.8	34.8	30.2	73.5	17.5	44.4	45.1	39.9
Jewish	3.6	5.2	6.9	2.6	2.5	5.0	0.0	0.4	5.5	6.2	0.9
other	21.4	19.5	23.3	25.1	18.3	18.4	9.1	24.0	19.6	18.9	23.9
none	9.4	11.8	10.9	8.7	7.5	11.6	1.9	4.8	7.0	7.5	3.9
Religious Preference in 1988 (7)											
Protestant	48.0	46.7	40.6	49.7	49.3	47.4	20.8	69.7	40.8	38.1	59.5
Roman Catholic	33.4	29.3	36.0	36.1	33.5	28.1	72.1	17.8	43.8	44.8	37.4
Jewish	3.6	5.0	7.3	2.6	2.2	4.3	0.0	0.3	6.1	6.9	0.9
other	4.5	5.6	3.5	4.6	3.5	4.5	0.8	3.9	4.9	5.5	0.8
none	10.5	13.3	12.6	7.0	11.5	15.8	6.4	8.4	4.4	4.8	1.4

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1986											
accountant or actuary	6.5	5.1	4.9	9.5	4.7	3.6	5.4	6.0	5.2	4.9	7.3
actor or entertainer	1.2	0.9	2.0	0.8	1.6	2.0	0.4	1.7	0.3	0.3	0.0
architect	0.4	0.5	0.9	0.5	0.1	0.3	0.0	0.1	1.7	1.9	0.0
artist	1.9	1.3	0.9	1.6	3.1	4.9	2.5	0.9	2.3	1.8	5.9
business (clerical)	0.7	0.4	0.0	1.3	0.5	0.2	0.5	0.8	5.7	5.6	6.3
business (management)	9.5	9.6	9.4	9.4	9.5	7.8	13.6	9.7	12.6	12.9	10.0
business owner or proprietor	1.6	2.3	1.7	0.9	1.6	1.7	3.4	0.3	0.2	0.0	1.3
business sales rep or buyer	2.1	2.4	1.1	1.8	2.3	3.3	3.8	0.0	2.2	2.1	2.9
clergy (minister,priest)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
clergy (other religious)	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.7	0.0	0.0	0.0
clinical psychologist	2.7	2.4	1.0	1.9	4.5	4.0	3.7	5.9	0.9	1.0	0.8
college teacher	0.3	0.2	0.1	0.2	0.7	0.5	0.5	1.1	0.2	0.0	1.5
computer programmer	2.2	1.9	1.0	3.5	1.3	1.4	1.9	0.6	2.5	2.5	2.6
conservationist or forester	0.2	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.0
dentist (incl orthodontist)	0.5	0.7	0.4	0.5	0.3	0.2	0.0	0.7	0.4	0.3	0.6
dietitian or home economist	0.2	0.4	0.0	0.0	0.1	0.2	0.3	0.0	0.4	0.4	0.0
engineer	3.0	5.4	4.8	1.7	1.4	2.3	0.0	0.9	3.0	3.4	0.0
farmer or rancher	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.4	0.5	0.0
foreign service worker	1.5	1.3	4.1	0.8	1.8	2.0	1.7	1.5	0.7	0.8	0.0
homemaker	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.5
interior decorator	1.3	2.0	3.2	0.7	0.9	1.4	0.2	0.4	0.7	0.2	3.9
intepreter (translator)	0.8	0.3	0.9	0.5	1.7	3.1	0.4	0.5	0.0	0.0	0.0
lab technician or hygienist	0.7	0.3	0.4	1.2	0.4	0.5	0.5	0.3	2.3	2.3	2.6
law enforcement officer	0.2	0.0	0.2	0.5	0.0	0.0	0.0	0.1	1.7	1.9	0.0
lawyer	5.5	5.0	5.3	5.6	6.0	6.2	4.7	6.3	1.7	1.5	3.2
military service (career)	0.2	0.0	0.0	0.6	0.1	0.2	0.2	0.0	0.0	0.0	0.0
musician (performer,composer)	0.6	0.4	0.2	0.5	1.1	0.5	0.0	2.8	0.5	0.2	2.5
nurse	3.2	1.9	3.0	4.9	2.3	0.8	3.9	3.5	4.5	4.6	3.8
optometrist	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.9
pharmacist	1.0	0.8	1.4	1.6	0.1	0.2	0.0	0.2	0.4	0.5	0.0
physician	5.7	10.7	8.6	1.9	4.5	4.4	6.2	3.7	0.8	0.7	1.1
school counselor	0.4	0.3	0.3	0.7	0.1	0.1	0.0	0.2	2.9	3.2	1.1
school principal	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	1.6	1.7	3.0	0.9	1.9	2.1	1.0	2.1	0.9	1.1	0.0
social worker	2.1	0.8	2.0	3.1	2.1	3.1	1.1	1.3	2.9	3.3	0.0
statistician	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.2	0.0
therapist (phys,occup,speech)	2.8	4.2	2.6	2.8	1.6	1.3	1.5	2.0	2.8	2.4	5.1
teacher (elementary)	10.2	5.2	1.4	14.4	12.6	10.0	17.7	13.3	8.1	8.9	2.0
teacher (secondary)	3.5	2.6	2.3	3.8	4.6	3.8	2.9	6.7	2.8	2.9	2.2
veterinarian	1.3	1.9	1.8	0.5	1.6	2.1	0.9	1.2	0.4	0.3	1.7
writer or journalist	3.8	3.8	5.0	3.8	3.5	4.0	2.3	3.4	1.9	2.1	0.6
skilled trades	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.3	1.2
other	6.9	7.7	8.1	6.3	6.5	7.4	6.5	5.2	10.5	8.8	22.3
undecided	13.4	14.9	17.3	10.9	14.0	13.6	12.3	15.5	14.5	15.6	6.3

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1988											
accountant or actuary	5.9	5.9	5.0	7.8	3.5	2.9	5.6	3.1	2.6	2.9	0.9
actor or entertainer	1.0	0.5	2.5	1.2	0.7	0.1	0.8	1.4	0.2	0.0	1.6
architect	0.6	0.6	1.9	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0
artist	1.9	1.8	1.8	1.0	3.3	5.8	0.9	0.9	2.2	1.5	6.7
business (clerical)	0.7	0.5	0.0	0.8	0.8	0.3	2.2	0.6	7.4	7.7	5.7
business (management)	11.9	11.7	11.5	13.2	10.4	8.7	11.4	12.4	13.8	14.5	8.7
business owner or proprietor	1.7	1.0	4.8	1.7	1.6	1.9	2.8	0.5	4.7	5.3	0.9
business sales rep or buyer	2.1	3.2	1.0	1.4	2.2	1.7	5.8	1.0	2.4	2.4	2.8
clergy (minister,priest)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
clergy (other religious)	0.1	0.1	0.0	0.1	0.3	0.0	0.0	0.8	0.1	0.0	1.1
clinical psychologist	3.2	3.5	3.0	2.3	4.3	3.1	3.8	6.5	1.7	1.9	0.8
college teacher	1.0	1.0	1.1	0.9	1.1	1.4	1.3	0.5	0.3	0.3	0.0
computer programmer	1.4	1.3	1.3	1.7	1.0	1.2	0.8	1.0	2.4	2.4	2.4
conservationist or forester	0.2	0.2	0.1	0.4	0.1	0.1	0.3	0.1	0.2	0.2	0.0
dentist (incl orthodontist)	0.3	0.2	0.1	0.7	0.1	0.2	0.0	0.0	0.2	0.0	1.2
dietitian or home economist	0.4	0.6	0.0	0.4	0.2	0.0	0.8	0.1	0.5	0.4	0.9
engineer	1.8	3.1	2.9	0.9	1.1	1.5	0.4	1.0	3.1	3.6	0.0
farmer or rancher	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
foreign service worker	1.9	2.0	2.0	0.9	3.0	2.9	5.3	1.8	1.3	1.2	1.8
homemaker	0.6	0.5	2.1	0.2	0.8	0.0	0.0	2.3	0.2	0.3	0.0
interior decorator	1.3	0.8	2.8	1.6	0.8	0.3	1.9	1.0	0.9	0.6	2.9
intepreter (translator)	0.7	0.2	0.2	0.2	1.9	3.7	0.5	0.0	0.0	0.0	0.0
lab technician or hygienist	0.4	0.7	0.0	0.4	0.2	0.3	0.0	0.2	1.7	1.8	1.3
law enforcement officer	0.3	0.4	0.0	0.3	0.5	0.5	1.0	0.2	2.2	2.5	0.0
lawyer	5.6	5.3	6.7	5.0	6.4	8.2	4.8	4.5	1.5	1.7	0.0
military service (career)	0.6	0.3	0.5	1.3	0.1	0.0	0.5	0.0	0.3	0.3	0.0
musician (performer,composer)	0.7	0.2	1.0	0.8	1.0	0.4	3.1	0.7	0.3	0.2	1.0
nurse	3.3	2.4	4.4	4.1	3.1	2.6	4.7	2.9	4.6	4.2	7.3
optometrist	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
pharmacist	0.4	0.3	1.2	0.3	0.5	0.8	0.2	0.2	0.7	0.8	0.0
physician	3.8	6.8	5.6	1.6	2.9	2.9	5.3	1.5	0.6	0.7	0.0
school counselor	0.7	0.6	0.0	0.8	0.9	0.3	1.1	1.8	0.7	0.8	0.0
school principal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
scientific researcher	1.3	1.7	1.7	0.3	1.9	2.4	0.9	1.9	0.7	0.8	0.0
social worker	2.4	1.9	1.4	2.3	3.6	4.5	2.9	2.7	4.5	4.4	5.3
statistician	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
therapist (phys,occup,speech)	2.7	4.9	2.5	2.2	1.2	0.7	2.2	1.3	3.4	3.5	2.6
teacher (elementary)	12.2	9.6	5.2	15.9	12.2	11.7	8.8	14.7	11.9	11.8	12.2
teacher (secondary)	3.6	2.8	2.5	4.2	4.1	2.5	2.9	7.2	2.1	1.9	3.7
veterinarian	0.8	1.1	2.0	0.2	0.8	1.2	0.0	0.8	0.4	0.3	1.0
writer or journalist	4.2	2.8	5.7	4.8	4.6	5.5	2.3	4.4	1.6	1.8	0.0
skilled trades	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.0	1.4	1.3	2.3
other	10.8	10.8	6.8	11.4	11.1	12.0	9.4	10.7	11.9	12.7	6.8
undecided	7.2	8.0	8.8	5.9	7.6	7.6	5.5	9.0	5.2	3.2	18.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1986 (disaggregated)											
ARTS AND HUMANITIES											
arts	2.8	2.7	1.8	2.2	4.0	5.4	4.7	1.6	2.8	2.6	4.7
English	2.7	2.3	2.2	2.6	3.3	4.6	1.4	2.5	0.9	1.0	0.5
history	0.6	0.5	0.8	0.3	1.0	1.5	0.4	0.6	0.0	0.0	0.0
journalism	2.3	3.4	3.0	2.5	0.8	0.5	0.8	1.2	0.9	1.1	0.0
language or literature	1.6	1.6	1.5	0.9	2.5	4.6	0.8	0.5	2.3	2.5	0.9
music	1.6	0.8	0.1	0.4	4.1	1.8	10.1	3.7	0.7	0.2	3.8
philosophy	0.1	0.0	0.2	0.0	0.2	0.4	0.0	0.2	0.0	0.0	0.0
speech	0.2	0.1	0.2	0.4	0.2	0.1	0.4	0.0	0.0	0.0	0.0
theater or drama	0.9	0.6	2.8	0.5	1.1	1.0	1.1	1.2	0.2	0.3	0.0
theology or religion	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0
other humanities	0.8	0.8	2.1	0.6	0.9	1.3	0.8	0.2	0.0	0.0	0.0
BIOLOGICAL SCIENCES											
general biology	2.5	2.7	4.7	1.9	2.5	2.6	2.4	2.4	0.7	0.8	0.0
biochemistry or biophysics	0.5	0.8	0.7	0.3	0.6	0.9	0.3	0.3	0.0	0.0	0.0
botany	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
marine (life) science	0.7	1.5	0.5	0.6	0.3	0.5	0.0	0.1	0.0	0.0	0.0
microbiology or bacteriology	0.2	0.4	0.6	0.0	0.2	0.0	0.0	0.5	0.3	0.3	0.0
zoology	0.2	0.6	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
other biological sciences	0.4	0.4	0.8	0.2	0.4	0.4	0.3	0.5	0.1	0.2	0.0
BUSINESS											
accounting	6.6	5.3	5.7	9.3	4.7	2.3	5.7	7.5	7.6	7.4	8.6
business administration	6.4	6.7	2.8	6.9	6.3	4.6	8.3	7.6	7.8	7.7	8.0
finance	1.0	1.3	1.4	1.1	0.6	0.3	2.0	0.1	0.5	0.5	0.0
marketing	2.9	3.6	2.0	2.2	3.3	3.0	7.6	1.2	1.8	2.1	0.0
management	3.7	3.6	6.8	3.8	2.8	2.4	1.8	3.9	5.5	6.1	1.6
secretarial studies	0.2	0.0	0.0	0.1	0.6	0.2	0.5	1.2	8.8	8.6	9.9
other business	1.2	0.4	0.8	1.3	1.9	3.3	1.2	0.5	2.7	2.5	4.0
EDUCATION											
business education	0.2	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
elementary education	8.0	4.5	1.3	11.3	9.2	8.7	6.0	11.9	9.0	9.8	3.6
music or art education	0.3	0.1	0.0	0.5	0.3	0.0	0.0	0.8	0.0	0.0	0.0
physical education or recreation	1.0	0.1	0.3	1.9	1.0	0.3	1.0	2.2	0.3	0.2	1.3
secondary education	1.5	1.4	1.0	1.4	1.9	1.4	2.2	2.4	1.3	1.2	2.0
special education	1.0	0.4	0.7	1.5	0.8	0.8	0.8	1.0	1.1	1.2	0.0
other education	0.9	0.8	0.2	1.2	0.8	0.2	0.8	1.5	0.0	0.0	0.0
ENGINEERING											
aeronautical/astronautical eng	0.5	0.9	0.3	0.7	0.1	0.1	0.0	0.2	0.0	0.0	0.0
civil engineering	0.2	0.3	0.6	0.1	0.1	0.2	0.0	0.1	0.6	0.7	0.0
chemical engineering	0.6	1.1	0.7	0.3	0.5	0.7	0.0	0.4	0.6	0.7	0.0
electrical engineering	0.9	2.1	0.9	0.4	0.4	0.5	0.3	0.2	1.0	1.2	0.0
industrial engineering	0.3	0.5	1.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
mechanical engineering	0.5	0.4	1.0	0.4	0.4	0.9	0.0	0.0	0.3	0.3	0.0
other engineering	0.4	0.5	1.2	0.3	0.3	0.4	0.0	0.2	0.5	0.6	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1986 (continued)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.4	0.5	0.9	0.3	0.4	0.4	0.1	0.4	0.5	0.5	0.8
earth science	0.1	0.1	0.3	0.1	0.0	0.1	0.0	0.0	0.3	0.4	0.0
marine science	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	0.8	1.0	1.2	0.9	0.4	0.4	0.0	0.5	0.5	0.6	0.0
physics	0.1	0.1	0.4	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0
statistics	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
other physical sciences	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.5	0.5	2.6	0.4	0.2	0.1	0.0	0.3	1.6	1.9	0.0
home economics	1.3	2.0	0.2	2.0	0.2	0.0	0.3	0.4	0.3	0.4	0.0
health technology	0.8	0.8	0.2	1.3	0.5	0.4	0.0	0.9	2.5	1.9	7.0
library science	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
nursing	3.2	2.1	3.1	4.6	2.5	1.6	3.4	3.4	4.8	4.5	6.5
pharmacy	0.8	0.5	1.4	1.5	0.1	0.2	0.0	0.1	0.4	0.5	0.0
premed,predent,prevet	4.3	7.0	5.2	2.0	4.4	5.2	5.1	3.0	0.4	0.3	1.6
therapy	2.3	3.4	2.1	2.2	1.3	1.3	1.3	1.5	2.4	2.0	4.7
other professional	1.0	1.2	0.6	0.8	1.2	0.7	0.9	2.0	1.2	1.2	1.7
SOCIAL SCIENCES											
anthropology	0.1	0.1	0.0	0.1	0.3	0.3	0.7	0.0	0.2	0.3	0.0
economics	0.3	0.1	0.6	0.1	0.8	1.0	0.8	0.5	0.0	0.0	0.0
ethnic studies	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
geography	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
political science	3.9	2.6	5.6	3.1	5.7	7.6	2.8	4.7	1.0	1.1	0.0
psychology	5.4	5.0	3.7	4.8	7.1	6.3	9.0	7.0	2.4	2.3	2.7
social work	1.1	0.6	0.8	1.5	1.2	1.9	0.2	1.0	2.4	2.8	0.0
sociology	0.5	0.2	0.2	0.7	0.7	1.1	0.5	0.1	0.0	0.0	0.0
women's studies	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.3	0.4	0.7	0.0	0.3	0.4	0.5	0.0	0.6	0.7	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
data processing	0.7	0.6	0.0	1.0	0.6	0.2	1.5	0.6	1.9	1.9	2.4
drafting or design	0.2	0.1	0.6	0.0	0.5	1.0	0.2	0.0	0.7	0.4	2.7
electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0
OTHER											
agriculture	0.3	0.8	0.2	0.0	0.1	0.3	0.0	0.0	1.7	1.8	1.1
communications	3.4	2.8	4.5	3.6	3.3	4.3	2.1	2.7	2.3	2.4	1.7
computer science	1.3	0.9	0.9	2.1	0.9	1.2	1.5	0.0	0.6	0.7	0.0
forestry	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
law enforcement	0.4	0.0	0.4	0.7	0.4	0.4	0.9	0.0	1.9	2.2	0.0
military science	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0
other fields	0.8	1.6	0.8	0.5	0.5	0.8	0.0	0.3	3.6	2.0	14.8
undecided	8.5	10.8	10.6	6.4	8.2	7.0	6.2	11.1	6.2	6.6	3.3

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (disaggregated)											
ARTS AND HUMANITIES											
arts	3.1	3.1	2.3	1.7	5.1	7.2	4.8	2.2	3.9	3.6	6.1
English	4.8	5.3	4.8	3.4	6.1	7.9	2.7	5.7	2.4	2.4	2.0
history	1.1	0.8	2.8	0.4	1.9	2.5	0.6	1.7	0.0	0.0	0.0
journalism	2.5	2.7	3.2	2.8	1.7	2.1	1.0	1.5	1.9	2.2	0.0
language or literature	1.8	1.9	2.0	0.6	3.3	4.8	2.1	1.8	1.2	1.0	2.9
music	0.7	0.2	1.1	0.3	1.6	1.2	2.6	1.6	0.3	0.0	2.4
philosophy	0.4	0.3	0.7	0.3	0.4	0.4	0.0	0.7	0.0	0.0	0.0
speech	0.5	0.3	0.4	0.6	0.6	0.0	2.8	0.0	0.0	0.0	0.0
theater or drama	0.9	0.7	1.2	0.6	1.3	0.8	1.2	2.0	0.0	0.0	0.0
theology or religion	0.2	0.1	0.0	0.0	0.5	0.2	0.6	0.7	0.0	0.0	0.0
other humanities	1.3	1.3	3.1	0.7	1.4	1.7	1.5	0.9	2.8	3.1	1.1
BIOLOGICAL SCIENCES											
general biology	3.3	6.1	5.1	0.9	2.7	2.4	3.7	2.5	0.6	0.7	0.0
biochemistry or biophysics	0.4	0.9	0.2	0.1	0.4	0.1	1.3	0.2	0.5	0.6	0.0
botany	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.2	0.2	0.4	0.1	0.3	0.2	0.0	0.5	0.0	0.0	0.0
microbiology or bacteriology	0.2	0.4	0.2	0.0	0.3	0.1	1.0	0.1	0.3	0.2	1.2
zoology	0.2	0.5	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0
other biological sciences	0.8	0.9	0.4	0.6	1.2	1.6	0.0	1.5	0.5	0.4	0.9
BUSINESS											
accounting	6.2	6.1	5.2	7.8	4.6	3.7	5.9	5.1	4.4	4.2	5.3
business administration	4.9	2.5	4.0	6.7	5.5	4.6	3.9	7.9	9.8	10.5	5.0
finance	1.5	2.0	1.5	1.7	0.7	0.6	1.9	0.0	0.6	0.6	0.0
marketing	3.2	4.6	1.4	2.6	2.9	2.3	5.2	2.4	2.8	3.3	0.0
management	2.7	2.6	2.3	3.8	1.7	1.3	2.5	1.7	4.1	4.3	2.8
secretarial studies	0.9	0.3	0.0	0.5	2.4	0.0	10.0	1.0	9.1	9.7	5.3
other business	1.6	1.9	1.2	1.8	1.1	1.1	1.4	1.0	2.4	2.2	3.6
EDUCATION											
business education	0.3	0.0	0.0	0.7	0.1	0.0	0.0	0.5	0.2	0.0	1.8
elementary education	9.5	6.7	2.8	12.8	10.0	8.1	8.4	14.0	12.2	13.1	6.2
music or art education	0.4	0.1	0.0	0.5	0.6	0.4	0.3	1.0	0.0	0.0	0.0
physical education or recreation	0.9	0.6	0.6	1.2	1.1	0.7	0.2	2.2	0.3	0.2	1.3
secondary education	1.6	1.5	0.3	2.2	1.3	0.8	0.7	2.6	1.3	1.1	2.2
special education	1.5	1.2	1.6	1.6	1.7	3.1	0.7	0.1	0.4	0.4	0.0
other education	0.6	0.6	0.0	0.8	0.5	0.6	0.4	0.4	0.6	0.5	1.8
ENGINEERING											
aeronautical/astronautical eng	0.1	0.0	0.2	0.3	0.1	0.1	0.0	0.1	0.4	0.4	0.0
civil engineering	0.1	0.3	0.2	0.0	0.2	0.3	0.0	0.0	0.6	0.7	0.0
chemical engineering	0.2	0.2	0.3	0.2	0.2	0.1	0.0	0.5	0.2	0.2	0.0
electrical engineering	0.5	0.8	1.0	0.2	0.3	0.4	0.3	0.2	0.8	1.0	0.0
industrial engineering	0.3	0.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mechanical engineering	0.5	0.8	0.9	0.4	0.3	0.5	0.0	0.0	0.0	0.0	0.0
other engineering	0.5	0.7	0.7	0.6	0.0	0.0	0.0	0.1	0.4	0.4	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (continued)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.4	0.3	1.3	0.1	0.4	0.5	0.0	0.7	0.2	0.2	0.0
earth science	0.1	0.2	0.4	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
marine science	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	1.0	1.1	0.8	0.7	1.3	1.5	0.6	1.4	0.4	0.4	0.0
physics	0.2	0.2	0.2	0.1	0.3	0.4	0.0	0.2	0.2	0.2	0.0
statistics	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical sciences	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.5	0.6	1.0	0.6	0.0	0.0	0.0	0.0	0.1	0.2	0.0
home economics	1.2	0.8	0.0	2.8	0.1	0.0	0.3	0.1	0.2	0.2	0.0
health technology	0.8	0.9	0.4	1.3	0.3	0.3	0.0	0.5	1.2	1.2	1.1
library science	0.1	0.0	0.0	0.1	0.1	0.0	0.5	0.0	0.0	0.0	0.0
nursing	3.1	2.2	3.8	4.1	2.4	1.7	3.3	3.1	5.0	4.7	6.5
pharmacy	0.3	0.3	1.3	0.1	0.4	0.8	0.0	0.1	0.6	0.7	0.0
premed,predent,prevet	1.2	1.3	1.0	0.7	1.7	1.7	1.1	2.0	0.6	0.5	1.5
therapy	2.4	3.4	2.2	2.9	0.7	0.6	1.0	0.5	1.6	1.4	3.4
other professional	0.9	1.5	1.0	1.1	0.2	0.2	0.0	0.4	1.6	1.5	2.2
SOCIAL SCIENCES											
anthropology	0.4	0.1	1.7	0.3	0.5	0.9	0.3	0.0	0.0	0.0	0.0
economics	1.2	1.7	1.2	0.7	1.4	2.4	0.5	0.4	0.6	0.7	0.0
ethnic studies	0.1	0.1	0.4	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
geography	0.2	0.0	0.1	0.4	0.1	0.1	0.0	0.0	0.2	0.2	0.0
political science	4.6	4.5	8.9	3.5	5.1	5.4	7.1	3.3	1.1	1.0	1.7
psychology	7.1	7.5	7.6	5.1	9.0	8.3	7.9	11.0	4.7	4.7	4.6
social work	1.0	0.9	0.8	1.2	1.0	1.4	0.6	0.6	2.3	2.5	0.5
sociology	2.1	1.6	0.7	2.2	2.7	2.4	2.5	3.4	1.2	0.7	4.4
women's studies	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
other social sciences	0.3	0.3	1.1	0.1	0.4	0.7	0.0	0.0	0.7	0.8	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
data processing	0.7	1.0	0.2	1.0	0.1	0.2	0.0	0.0	1.7	1.8	0.9
drafting or design	0.3	0.4	0.8	0.0	0.4	0.2	1.0	0.3	0.4	0.0	2.7
electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
OTHER											
agriculture	0.2	0.7	0.0	0.0	0.1	0.3	0.0	0.0	0.7	0.8	0.0
communications	4.0	3.3	5.6	4.1	4.0	5.0	2.6	3.3	1.0	1.1	0.8
computer science	1.1	0.5	0.4	1.8	0.9	1.2	0.4	0.7	1.3	1.3	1.4
forestry	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
law enforcement	0.8	0.7	0.7	1.2	0.6	0.7	1.2	0.1	1.9	2.0	1.4
military science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other fields	1.4	2.1	0.7	1.4	0.8	0.7	0.9	0.9	4.0	2.8	12.2
undecided	1.8	1.8	1.4	2.5	1.0	0.4	0.4	2.2	0.9	0.6	2.7

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Studying/Doing Homework											
none	0.3	0.4	0.1	0.5	0.1	0.1	0.3	0.1	0.8	1.0	0.0
1 - 2	11.6	10.5	9.2	12.4	12.4	12.1	17.6	9.7	16.6	16.2	19.1
3 - 5	30.1	32.5	22.5	32.6	26.9	28.1	20.3	29.2	35.9	35.4	38.9
6 - 10	29.9	28.7	33.1	30.2	29.6	25.9	32.2	33.4	29.5	29.3	30.6
11 - 15	16.8	17.2	16.9	14.9	18.7	19.6	18.4	17.6	11.3	12.1	5.9
16 - 20	6.7	6.5	9.4	6.2	6.6	7.8	6.6	4.9	3.8	3.8	3.7
21 - 30	3.3	2.8	6.4	2.6	4.0	5.1	3.2	2.7	1.7	1.7	1.7
more than 30	1.3	1.4	2.3	0.7	1.6	1.2	1.5	2.4	0.5	0.6	0.0
Socializing with Friends											
none	0.4	0.2	0.7	0.5	0.2	0.3	0.2	0.1	0.4	0.3	0.9
1 - 2	3.6	3.6	2.6	3.3	4.3	4.3	5.6	3.4	6.2	6.4	5.1
3 - 5	14.3	11.9	12.2	17.0	14.0	14.8	9.9	15.2	17.7	18.7	11.5
6 - 10	26.8	26.2	30.7	26.9	26.2	25.2	30.9	24.8	20.1	19.8	22.1
11 - 15	18.9	19.5	20.1	15.8	21.9	19.6	23.9	24.2	21.3	20.2	28.8
16 - 20	17.4	16.9	16.6	18.6	16.5	16.2	16.1	17.2	15.3	15.0	17.2
21 - 30	8.9	10.8	8.6	7.8	8.4	10.2	7.6	6.3	6.8	6.9	6.0
more than 30	9.7	11.0	8.4	10.0	8.5	9.3	5.8	8.8	12.3	12.8	8.4
Talk with Faculty Outside Class											
none	14.7	15.8	13.1	15.3	13.4	11.5	18.6	13.0	19.6	20.9	10.9
1 - 2	57.4	58.0	55.4	58.3	56.3	54.9	54.7	59.5	55.0	53.8	63.1
3 - 5	19.9	18.9	24.0	18.8	21.2	22.8	18.9	20.3	17.4	17.4	17.5
6 - 10	5.3	5.2	5.5	4.8	6.1	7.0	5.9	4.7	4.5	4.4	5.3
11 - 15	1.5	1.3	1.0	1.7	1.6	2.1	0.7	1.3	2.5	2.7	1.2
16 - 20	0.7	0.5	1.1	0.8	0.8	1.2	0.0	0.9	0.5	0.2	2.1
21 - 30	0.2	0.0	0.0	0.3	0.3	0.0	1.1	0.3	0.5	0.6	0.0
more than 30	0.1	0.2	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0
Exercising/Sports											
none	8.7	7.9	3.4	10.3	9.1	8.2	10.8	9.3	7.0	7.2	5.7
1 - 2	23.3	25.0	22.2	20.8	25.2	25.6	28.8	22.4	24.1	22.0	38.1
3 - 5	25.2	26.7	24.7	26.1	22.9	22.1	22.9	24.0	23.3	23.0	25.5
6 - 10	20.3	19.0	19.9	20.4	21.6	22.7	16.9	22.7	21.8	22.5	16.8
11 - 15	10.8	9.8	16.2	10.0	11.1	10.9	10.9	11.5	13.7	14.8	6.6
16 - 20	6.5	6.2	7.9	6.8	6.1	5.3	7.8	6.3	5.1	5.6	2.1
21 - 30	2.8	2.8	3.3	3.5	1.8	1.9	1.2	2.1	2.7	2.7	2.5
more than 30	2.3	2.4	2.3	2.2	2.2	3.3	0.6	1.6	2.3	2.3	2.7
Using a Personal Computer											
none	54.8	54.1	50.6	55.6	55.7	56.1	61.7	51.3	57.9	57.6	59.9
1 - 2	26.1	25.6	32.4	25.1	25.9	27.7	19.1	27.5	19.7	20.3	15.6
3 - 5	12.4	13.7	10.9	11.9	12.1	9.8	13.8	14.4	13.2	12.9	15.2
6 - 10	4.9	5.0	4.8	5.2	4.4	4.0	3.8	5.2	5.7	5.7	6.1
11 - 15	1.0	0.8	1.0	1.2	1.0	1.1	0.8	1.0	1.2	1.1	1.7
16 - 20	0.4	0.4	0.0	0.7	0.2	0.4	0.0	0.0	1.2	1.1	1.5
21 - 30	0.2	0.1	0.0	0.3	0.2	0.1	0.7	0.0	0.8	0.9	0.0
more than 30	0.2	0.1	0.4	0.0	0.5	0.8	0.0	0.6	0.3	0.3	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Partying											
none	19.5	17.3	19.0	19.6	21.6	18.7	15.1	30.0	17.4	16.8	21.4
1 - 2	19.5	18.3	23.2	18.2	21.2	21.4	16.8	23.5	22.6	24.3	11.3
3 - 5	26.7	25.5	24.5	27.8	27.2	26.6	34.5	23.7	22.5	22.0	26.2
6 - 10	18.8	21.5	21.1	18.0	16.5	15.8	23.0	13.5	18.4	17.2	26.8
11 - 15	7.9	9.8	7.6	7.6	6.4	9.0	5.1	3.4	6.8	6.4	9.4
16 - 20	3.8	3.5	1.9	4.3	3.8	4.1	3.8	3.4	6.8	7.3	3.4
21 - 30	2.0	3.1	1.5	1.7	1.4	1.7	0.3	1.5	1.4	1.6	0.0
more than 30	1.8	1.0	1.1	2.7	1.8	2.6	1.3	1.0	4.1	4.5	1.5
Working (for Pay)											
none	28.2	25.9	33.6	27.0	30.4	29.9	23.9	35.1	22.4	22.3	23.1
1 - 2	4.0	4.0	3.3	4.0	4.3	3.7	2.4	6.3	4.0	3.7	6.2
3 - 5	6.1	5.7	8.0	4.6	7.8	9.1	7.4	6.2	6.9	6.3	11.2
6 - 10	10.5	10.5	13.3	10.2	9.9	10.4	10.7	8.6	13.3	12.8	16.5
11 - 15	15.6	15.9	13.1	15.0	16.7	17.2	24.4	11.2	12.2	12.3	11.6
16 - 20	18.9	20.8	16.1	17.9	19.1	18.4	18.9	20.1	21.0	22.3	12.6
21 - 30	12.4	13.9	6.9	15.9	8.2	7.3	8.9	9.2	11.3	12.2	5.5
more than 30	4.3	3.2	5.7	5.4	3.6	4.0	3.4	3.2	8.9	8.2	13.5
Volunteer Work											
none	51.3	55.0	43.7	51.9	49.1	50.4	45.9	49.0	55.5	53.6	67.8
1 - 2	28.3	25.2	33.6	28.3	29.8	27.8	29.8	32.8	26.8	28.7	14.7
3 - 5	14.3	14.1	14.9	14.1	14.7	15.4	17.7	11.8	8.4	8.4	8.5
6 - 10	3.5	4.2	4.2	2.6	3.9	4.5	2.7	3.7	6.3	6.2	7.3
11 - 15	1.2	1.0	2.5	1.1	1.0	0.6	1.1	1.6	0.4	0.2	1.8
16 - 20	0.6	0.2	0.5	0.9	0.6	0.2	2.2	0.3	1.0	1.2	0.0
21 - 30	0.2	0.0	0.2	0.5	0.2	0.4	0.0	0.0	1.5	1.7	0.0
more than 30	0.6	0.3	0.4	0.6	0.7	0.7	0.6	0.8	0.0	0.0	0.0
Student Clubs/Groups											
none	20.0	18.7	10.7	23.6	19.2	19.8	15.8	20.5	37.9	37.3	42.0
1 - 2	32.0	33.7	28.3	31.0	32.6	31.6	41.0	28.9	20.8	20.2	24.3
3 - 5	27.1	28.0	30.2	26.2	26.6	28.3	24.7	25.1	26.8	27.6	21.6
6 - 10	12.3	11.5	18.5	11.2	12.8	12.3	9.6	15.4	9.2	9.4	7.6
11 - 15	4.5	4.6	7.4	3.9	4.3	4.7	2.8	4.7	1.6	1.8	0.8
16 - 20	2.4	1.9	1.8	2.5	2.9	1.8	2.8	4.7	2.0	1.9	2.8
21 - 30	0.9	0.7	2.4	1.0	0.7	0.9	0.9	0.3	1.0	1.2	0.0
more than 30	0.7	0.9	0.8	0.5	0.9	0.6	2.4	0.3	0.7	0.7	0.8
Watching TV											
none	7.8	7.6	12.2	6.0	8.8	10.1	9.9	6.3	4.2	3.5	8.7
1 - 2	26.4	28.2	32.8	24.1	25.5	25.8	26.9	24.3	24.2	25.6	14.9
3 - 5	29.9	30.1	31.5	29.8	29.5	29.1	25.6	32.5	32.9	32.2	37.9
6 - 10	21.9	21.4	16.0	24.1	21.2	22.8	17.3	21.2	22.1	20.9	29.7
11 - 15	7.3	6.8	3.9	7.2	8.3	4.9	18.2	8.7	12.8	13.9	5.6
16 - 20	3.9	3.1	2.4	4.6	4.0	4.7	1.4	4.6	2.0	2.2	1.3
21 - 30	2.1	1.8	0.5	3.1	1.4	1.9	0.4	1.2	1.2	1.1	1.9
more than 30	0.9	0.8	0.7	1.0	0.7	0.7	0.2	1.2	0.5	0.6	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Religious Services/Meetings											
none	30.9	34.8	28.0	32.0	26.5	31.0	18.2	24.9	34.4	34.1	36.3
1 - 2	50.0	51.0	48.0	49.9	49.8	47.3	70.9	40.7	50.4	51.7	41.0
3 - 5	13.5	10.3	16.2	12.6	16.9	14.9	8.0	25.4	11.2	10.4	17.2
6 - 10	4.1	3.2	5.6	4.5	4.0	3.7	0.3	6.6	3.2	3.0	4.3
11 - 15	0.7	0.5	0.6	0.6	0.9	1.5	0.0	0.6	0.1	0.0	1.0
16 - 20	0.4	0.1	0.0	0.3	1.0	1.1	0.4	1.2	0.2	0.2	0.0
21 - 30	0.1	0.0	0.8	0.1	0.1	0.0	0.0	0.3	0.5	0.6	0.0
more than 30	0.3	0.0	0.8	0.1	0.8	0.5	2.2	0.3	0.0	0.0	0.0
Hobbies											
none	9.8	10.2	8.1	10.2	9.3	8.0	10.3	10.6	8.2	8.7	5.1
1 - 2	32.4	33.0	37.5	30.5	32.7	30.2	40.6	31.5	31.0	31.4	27.7
3 - 5	32.7	33.6	33.4	32.4	31.9	32.4	24.7	35.6	36.3	35.6	41.4
6 - 10	15.5	13.5	10.8	17.2	16.8	17.4	16.1	16.2	15.9	15.6	17.5
11 - 15	5.1	5.1	5.5	5.3	4.6	6.6	2.1	3.3	5.6	5.3	7.6
16 - 20	2.3	2.5	2.0	2.1	2.4	2.8	1.4	2.3	2.3	2.6	0.0
21 - 30	1.4	1.3	1.2	1.4	1.4	1.5	2.6	0.5	0.1	0.0	0.6
more than 30	0.9	0.9	1.6	0.8	1.0	1.1	2.2	0.0	0.7	0.8	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Attending Classes/Lab Sessions											
none	1.6	0.5	0.8	2.3	2.2	1.1	0.8	4.8	2.8	2.9	2.1
less than one	0.5	0.4	0.4	0.7	0.5	0.4	0.5	0.7	1.1	0.9	2.8
1 - 2	3.0	1.9	0.7	4.1	3.4	5.3	2.4	1.2	4.7	4.1	8.8
3 - 5	7.4	11.4	5.4	7.2	3.9	4.6	2.7	3.6	8.7	8.4	10.4
6 - 10	10.5	9.1	8.9	12.7	9.7	12.5	8.9	6.0	7.9	7.2	13.1
11 - 15	33.9	32.1	32.9	33.3	36.8	37.3	37.8	35.7	26.9	28.4	16.6
16 - 20	31.4	34.3	36.0	28.3	30.8	26.7	32.9	35.7	30.4	30.1	32.6
more than 20	11.7	10.4	15.0	11.4	12.6	12.2	14.1	12.2	17.5	18.0	13.6
Studying/Doing Homework											
none	0.2	0.0	0.0	0.5	0.2	0.0	0.0	0.6	0.5	0.6	0.0
less than one	0.5	0.8	0.0	0.4	0.5	1.0	0.0	0.0	1.0	0.6	3.9
1 - 2	3.0	2.3	2.1	4.4	2.4	2.2	2.2	2.9	4.9	5.2	2.2
3 - 5	19.0	15.5	10.9	22.5	20.5	19.0	25.7	19.6	20.3	19.2	28.5
6 - 10	32.6	32.8	27.1	33.6	32.6	35.5	32.6	28.4	33.4	32.9	36.8
11 - 15	21.1	23.7	21.6	19.0	20.9	20.1	18.2	23.6	23.1	23.7	18.9
16 - 20	11.9	15.2	15.2	9.0	11.1	11.1	10.9	11.2	9.9	10.3	7.0
more than 20	11.7	9.8	23.0	10.6	11.8	11.1	10.3	13.8	6.9	7.5	2.6
Socializing with Friends											
none	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
less than one	1.1	1.3	0.6	1.4	0.8	0.5	1.5	0.8	1.4	1.4	1.4
1 - 2	4.2	4.0	2.8	5.4	3.4	3.0	3.3	3.9	11.4	12.4	4.4
3 - 5	17.3	15.3	11.9	20.1	17.4	17.3	25.2	12.9	19.1	18.5	23.3
6 - 10	28.8	31.6	28.5	26.9	28.3	26.8	22.9	33.6	26.8	26.0	32.4
11 - 15	18.1	19.3	19.9	15.3	19.7	20.1	15.4	21.9	17.8	17.5	19.9
16 - 20	12.2	10.4	15.5	12.0	13.3	16.0	11.7	10.1	8.1	8.2	7.1
more than 20	18.2	18.0	20.9	18.6	17.1	16.2	20.1	16.7	15.4	15.9	11.4
Talk with Faculty Outside Class											
none	10.5	14.7	12.7	11.4	4.5	3.4	5.2	5.6	9.0	9.4	6.6
less than one	47.2	53.7	45.1	47.8	40.4	38.2	48.9	38.5	36.7	37.1	34.2
1 - 2	31.8	26.1	33.9	30.6	38.7	39.8	33.8	40.0	38.3	37.8	42.2
3 - 5	8.4	4.7	7.7	7.9	13.1	15.0	8.3	13.3	13.7	13.9	12.2
6 - 10	1.6	0.7	0.6	1.7	2.7	2.9	3.6	1.9	2.3	1.9	4.8
11 - 15	0.2	0.0	0.0	0.1	0.6	0.7	0.3	0.6	0.0	0.0	0.0
16 - 20	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
more than 20	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exercising/Sports											
none	6.6	5.9	4.4	8.7	5.5	6.5	3.8	5.2	6.7	7.1	3.9
less than one	14.7	13.4	8.6	14.7	17.8	20.1	14.1	16.7	16.8	15.1	28.4
1 - 2	24.4	24.1	21.1	26.7	22.9	23.4	23.4	21.8	31.5	31.8	28.8
3 - 5	32.9	34.7	37.7	31.3	31.6	28.0	37.0	33.8	26.7	27.4	22.3
6 - 10	15.1	18.4	18.5	12.3	14.2	13.9	17.2	13.0	13.3	13.2	14.4
11 - 15	3.1	2.1	4.9	2.8	4.1	4.6	2.4	4.4	3.8	4.1	1.6
16 - 20	1.7	0.6	2.6	2.5	1.6	1.3	0.8	2.3	1.1	1.1	0.6
more than 20	1.4	0.9	2.3	1.0	2.3	2.3	1.4	2.8	0.2	0.2	0.0

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Reading for Pleasure											
none	25.5	29.3	26.5	25.2	21.7	23.2	16.1	22.9	22.1	19.6	39.5
less than one	29.1	29.1	33.3	28.7	28.5	24.7	34.5	30.5	32.4	33.5	24.9
1 - 2	25.4	23.2	22.2	25.9	27.8	29.0	33.1	23.0	23.4	23.5	23.4
3 - 5	13.9	12.9	13.2	13.5	15.6	16.0	12.2	17.0	15.6	16.5	9.0
6 - 10	3.7	3.9	3.8	3.7	3.7	3.9	3.0	3.7	3.5	3.9	1.1
11 - 15	1.3	1.0	0.2	1.7	1.6	1.6	0.4	2.4	1.9	2.1	0.0
16 - 20	0.5	0.3	0.9	0.7	0.5	0.8	0.2	0.1	0.5	0.6	0.0
more than 20	0.5	0.4	0.0	0.7	0.6	0.8	0.5	0.4	0.5	0.3	2.2
Using a Personal Computer											
none	46.4	51.5	40.8	48.6	39.9	43.7	36.8	36.0	47.1	46.2	53.6
less than one	17.8	18.9	17.6	17.0	17.6	16.9	11.2	22.5	20.8	21.5	16.2
1 - 2	15.1	12.7	17.4	13.6	19.0	15.0	29.4	18.6	10.2	9.4	15.3
3 - 5	12.7	10.8	13.4	11.9	15.5	15.6	15.8	15.2	11.2	11.4	9.7
6 - 10	4.8	3.2	7.3	5.4	5.1	5.3	5.4	4.6	6.0	6.5	2.3
11 - 15	1.5	1.1	2.2	1.5	1.6	2.0	1.1	1.4	3.1	3.4	0.8
16 - 20	0.8	0.5	0.9	1.3	0.4	0.7	0.0	0.3	0.0	0.0	0.0
more than 20	0.9	1.3	0.4	0.7	0.8	0.7	0.3	1.4	1.6	1.6	2.2
Partying											
none	15.5	13.8	14.0	16.3	16.5	14.2	8.2	24.9	21.5	22.1	17.0
less than one	10.0	6.9	9.3	12.5	10.2	10.4	12.5	8.6	11.2	12.0	5.6
1 - 2	16.8	16.8	13.3	16.4	18.1	15.8	25.4	17.1	14.6	13.8	20.4
3 - 5	27.7	29.1	32.3	28.0	24.6	27.6	22.9	21.4	23.6	22.2	33.2
6 - 10	19.5	22.2	19.0	16.0	21.2	22.9	20.9	18.8	17.0	17.6	12.7
11 - 15	6.1	6.6	6.5	5.7	6.2	6.1	6.4	6.3	4.6	4.6	4.8
16 - 20	1.8	2.0	3.1	1.8	1.3	1.3	2.6	0.6	4.7	5.1	1.5
more than 20	2.6	2.6	2.6	3.2	1.8	1.8	1.2	2.2	2.8	2.5	4.8
Working (for Pay)											
none	32.3	37.1	30.1	30.8	29.8	33.8	17.9	31.1	28.5	31.5	6.5
less than one	0.9	0.9	2.6	0.5	1.0	0.3	0.5	2.1	1.0	1.2	0.0
1 - 2	1.8	1.4	2.3	1.5	2.4	3.2	0.9	2.2	1.6	1.5	2.6
3 - 5	7.8	4.9	10.1	7.4	10.5	9.2	7.5	14.3	6.5	5.2	16.0
6 - 10	15.4	15.3	16.3	9.8	22.2	25.8	18.9	18.9	14.8	14.3	18.2
11 - 15	15.4	14.7	15.2	17.0	14.0	11.9	26.7	9.6	13.8	13.8	14.2
16 - 20	11.7	12.9	13.6	11.5	10.0	6.8	13.0	12.8	14.9	15.0	13.9
more than 20	14.9	12.8	9.8	21.5	10.0	8.9	14.7	8.9	18.8	17.5	28.6
Volunteer Work											
none	68.2	69.9	54.8	72.0	65.6	67.1	57.6	68.1	71.2	73.0	57.8
less than one	10.3	8.5	15.8	9.6	11.4	9.5	14.4	12.3	7.7	6.1	19.3
1 - 2	11.6	9.1	15.0	10.9	14.0	14.8	15.7	11.9	9.5	8.7	14.8
3 - 5	7.3	9.3	9.3	5.7	6.7	6.5	10.0	5.2	6.5	6.9	3.7
6 - 10	1.9	2.2	4.6	1.3	1.5	1.5	1.5	1.6	3.4	3.6	2.6
11 - 15	0.2	0.1	0.5	0.0	0.5	0.5	0.3	0.5	1.2	1.1	1.8
16 - 20	0.2	0.3	0.0	0.1	0.1	0.0	0.2	0.2	0.2	0.2	0.0
more than 20	0.4	0.6	0.0	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Student Clubs/Groups											
none	42.1	44.6	33.0	48.2	34.3	34.1	29.8	37.4	57.4	59.2	44.6
less than one	11.1	11.7	10.2	10.5	11.4	9.9	12.9	12.7	11.5	10.8	16.7
1 - 2	20.6	18.0	21.1	18.2	26.3	25.6	25.9	27.6	15.5	13.9	27.4
3 - 5	16.3	16.4	21.3	14.3	17.2	16.7	23.3	14.2	11.0	11.6	7.0
6 - 10	6.2	5.7	7.5	5.9	6.7	9.0	2.3	5.8	2.9	2.7	4.2
11 - 15	1.7	1.3	3.8	1.1	2.3	2.2	4.6	1.0	1.3	1.4	0.0
16 - 20	1.3	1.3	1.7	1.4	0.9	1.4	0.0	0.6	0.0	0.0	0.0
more than 20	0.8	0.9	1.3	0.4	0.9	0.9	1.1	0.7	0.4	0.4	0.0
Watching TV											
none	11.5	10.1	20.5	8.6	13.9	17.5	10.8	10.5	7.7	8.0	5.2
less than one	15.6	14.0	17.6	14.4	18.1	18.9	13.9	19.2	14.0	13.2	19.7
1 - 2	21.9	21.7	25.8	20.1	23.2	18.6	32.4	24.4	26.4	25.5	32.7
3 - 5	26.7	27.5	20.6	26.7	27.5	26.0	29.1	28.7	30.8	30.4	33.2
6 - 10	13.9	12.7	9.4	17.8	11.4	12.3	10.6	10.6	13.1	13.7	8.2
11 - 15	5.9	9.3	1.9	6.2	3.1	3.8	1.4	3.1	3.5	3.9	0.9
16 - 20	2.5	2.1	2.2	3.9	1.2	1.0	0.8	1.7	2.4	2.7	0.0
more than 20	2.2	2.7	1.9	2.3	1.7	1.8	0.8	1.9	2.2	2.5	0.0
Commuting to Campus											
none	56.9	49.8	60.5	48.4	73.9	80.4	61.4	71.9	35.4	34.0	45.7
less than one	11.5	15.3	15.3	11.1	7.1	6.5	9.3	6.9	16.9	17.2	14.2
1 - 2	11.1	11.8	8.7	12.8	8.7	5.1	17.2	8.9	16.8	18.0	8.1
3 - 5	12.0	11.8	8.6	17.5	6.1	4.1	8.0	8.0	16.0	15.7	18.1
6 - 10	6.1	9.6	5.5	5.9	2.9	2.2	3.9	3.5	11.8	12.0	10.2
11 - 15	1.4	0.8	0.6	2.7	0.5	0.8	0.0	0.5	1.4	1.2	3.0
16 - 20	0.3	0.5	0.0	0.2	0.1	0.1	0.0	0.0	0.7	0.7	0.5
more than 20	0.8	0.2	0.8	1.3	0.6	0.9	0.3	0.4	0.9	1.0	0.0
Religious Services/Meetings											
none	49.2	54.7	44.4	49.4	44.6	55.3	29.8	37.8	53.4	54.4	46.4
less than one	15.7	13.7	14.5	17.5	15.7	15.6	16.6	15.3	17.3	18.1	11.4
1 - 2	27.1	25.1	24.7	28.2	28.3	20.7	45.6	29.2	24.8	23.8	32.4
3 - 5	6.4	5.3	13.2	3.8	9.0	6.9	7.2	13.2	3.4	2.9	6.8
6 - 10	1.2	0.9	2.2	0.7	1.9	1.5	0.9	3.2	0.8	0.5	3.1
11 - 15	0.2	0.2	0.6	0.1	0.3	0.0	0.0	0.9	0.3	0.3	0.0
16 - 20	0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.2	0.0	0.0	0.0
more than 20	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.3	0.0	0.0	0.0
Hobbies											
none	22.4	25.5	22.9	20.7	21.0	20.2	24.0	20.4	25.6	26.2	21.3
less than one	21.6	19.9	28.4	19.5	24.1	23.0	21.8	27.0	22.9	23.6	17.5
1 - 2	32.1	31.3	27.1	34.7	31.2	32.5	23.0	34.1	26.0	26.0	26.3
3 - 5	17.3	17.7	15.8	17.7	16.7	17.5	25.1	10.5	17.6	16.1	28.5
6 - 10	4.1	3.9	4.3	4.4	3.8	4.0	2.6	4.1	6.9	7.1	5.6
11 - 15	1.3	1.2	1.2	1.4	1.3	1.3	3.6	0.0	0.1	0.0	0.8
16 - 20	0.7	0.1	0.0	0.5	1.6	0.7	0.0	3.9	0.5	0.5	0.0
more than 20	0.6	0.4	0.3	1.0	0.4	0.7	0.0	0.0	0.4	0.5	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Religious Preference in 1988											
Baptist	14.5	13.7	3.5	18.6	13.3	14.4	3.9	17.5	8.1	6.5	19.6
Buddhist	0.3	0.2	0.1	0.4	0.2	0.1	0.0	0.4	0.2	0.3	0.0
Congregational	1.4	1.1	0.0	2.0	1.4	2.2	0.4	0.8	2.2	2.4	0.7
Eastern Orthodox	0.4	0.5	1.1	0.1	0.4	0.2	1.3	0.1	0.2	0.2	0.0
Episcopal	3.3	3.1	5.2	2.6	3.7	5.0	1.6	3.0	0.8	0.7	1.8
Hindu	0.2	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Islamic	0.1	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0
Jewish	3.6	5.0	7.3	2.6	2.2	4.3	0.0	0.3	6.1	6.9	0.9
Latter Day Saints (Mormon)	1.4	0.8	13.1	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.0
Lutheran	6.5	7.1	2.8	6.2	7.5	5.7	5.4	11.6	8.6	7.9	13.8
Methodist	9.5	10.3	4.7	10.6	8.8	7.2	5.2	13.3	9.7	9.3	12.6
Presbyterian	5.4	5.3	5.2	4.2	7.0	6.6	1.9	10.7	5.7	6.0	4.2
Quaker (Society of Friends)	0.3	0.1	0.3	0.1	0.6	1.0	0.0	0.3	0.0	0.0	0.0
Roman Catholic	33.4	29.3	36.0	36.1	33.5	28.1	72.1	17.8	43.8	44.8	37.4
Seventh Day Adventist	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	1.0	1.1	0.0
other Protestant	5.2	4.5	4.1	5.1	6.4	4.6	1.0	12.4	4.5	4.1	6.8
other religion	4.0	4.9	2.6	4.2	3.3	4.3	0.8	3.4	4.2	4.7	0.8
none	10.5	13.3	12.6	7.0	11.5	15.8	6.4	8.4	4.4	4.8	1.4

Notes:

[1] More than one response was permitted. The total may sum to more than 100 percent.

[2] These areas are based on the curriculum recommendations of the National Commission on Excellence in Education.

[3] Students responding "don't know, can't rate" were not included in tabulations.

[4] Students indicating they had not taken time off from college were not included in tabulations.

[5] Responses include "frequently" only, all others include both "frequently" and "occasionally" responses.

[6] This item has been recategorized for reporting purposes from a longer list of response choices shown in Appendix D of this report.

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1986	96.4	98.2	98.2	94.0	96.8	95.4	97.7	98.6	86.0	85.1	94.9
1985	1.7	1.3	0.5	2.1	2.0	2.5	1.5	1.4	4.0	4.1	3.2
1984	0.6	0.3	0.8	1.4	0.0	0.0	0.2	0.0	1.0	1.0	0.5
1983 or earlier	1.1	0.2	0.3	2.3	1.2	2.0	0.6	0.0	6.8	7.4	0.8
H.S. equivalency (G.E.D. test)	0.2	0.1	0.1	0.3	0.0	0.0	0.0	0.0	2.1	2.3	0.6
never completed high school	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age on December 31, 1988											
18 or younger	0.1	0.1	0.2	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
19	1.7	1.3	2.9	1.6	2.0	2.2	3.5	0.7	1.6	1.7	0.8
20	72.9	78.0	77.7	70.9	67.9	68.3	63.7	69.5	58.9	58.2	65.4
21	21.9	18.4	17.3	22.5	26.8	26.3	29.6	26.2	22.6	22.0	29.2
22	2.1	2.1	0.8	2.7	2.0	0.9	2.3	3.6	3.1	3.2	2.7
23-26	0.7	0.2	1.2	0.9	0.7	1.3	0.4	0.0	6.5	7.0	1.9
27-31	0.5	0.0	0.0	1.4	0.2	0.3	0.2	0.0	5.0	5.5	0.0
32-41	0.1	0.0	0.0	0.2	0.3	0.5	0.2	0.0	1.8	1.9	0.0
42-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
57 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	86.8	91.2	88.9	81.0	88.1	84.1	91.6	93.2	95.4	96.5	85.1
Black/Negro/Afro-American	7.3	3.1	3.0	11.9	7.9	11.7	3.6	3.5	1.9	0.7	13.6
American Indian	0.5	0.4	1.0	0.7	0.4	0.0	1.1	0.7	3.8	4.2	0.0
Asian-American/Oriental	3.3	4.4	6.1	2.4	2.0	3.0	0.9	0.9	2.1	2.2	1.3
Mexican-American/Chicano	1.8	0.9	0.6	3.3	1.3	0.4	2.6	2.1	0.4	0.5	0.0
Puerto Rican-American	0.4	0.1	0.3	0.5	0.6	0.7	0.6	0.4	0.7	0.7	0.0
other	1.4	0.8	2.0	2.0	1.2	0.8	3.0	1.0	1.3	1.2	1.7
Status of Parents											
living with each other	78.5	82.4	85.9	76.3	74.1	71.7	80.8	74.8	75.9	78.0	54.8
divorced or separated	17.0	14.3	11.4	17.7	21.3	22.7	15.5	21.9	14.8	13.9	23.3
one or both deceased	4.4	3.2	2.6	6.0	4.6	5.6	3.7	3.3	9.3	8.1	21.9
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	95.4	95.3	98.4	95.3	94.4	96.5	95.8	90.1	92.7	92.7	92.6
mathematics (3 years)	93.3	96.9	98.4	89.3	92.1	92.3	91.1	92.1	81.4	81.5	80.3
foreign language (2 years)	73.2	77.5	88.9	66.8	70.4	75.3	75.2	59.5	55.6	56.5	46.6
physical science (2 years)	65.0	65.5	74.1	64.0	62.4	65.7	64.3	55.8	53.3	53.7	49.2
biological science (2 years)	36.0	32.0	33.8	38.0	38.7	41.8	31.5	37.4	31.0	31.2	29.4
history/American govt (1 year)	99.2	98.8	99.7	99.5	99.2	98.6	99.7	100.0	99.3	99.2	100.0
computer science (1/2 year)	67.8	71.1	66.7	68.1	64.0	65.5	68.9	58.9	56.0	56.2	54.1
art or music (1 year)	57.1	55.2	52.2	60.1	57.4	53.9	60.5	61.6	59.3	58.6	66.6

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1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	13.8	16.2	27.1	10.8	9.9	10.8	7.7	9.4	3.6	3.9	0.5
A-	13.6	15.9	24.4	9.6	11.8	12.4	11.3	11.2	5.9	6.5	0.6
B+	17.9	20.7	20.1	14.8	18.0	17.7	19.9	17.4	12.2	12.8	6.1
B	21.2	20.6	18.7	20.2	24.1	24.9	29.5	19.9	24.1	25.8	7.7
B-	15.9	12.3	3.8	18.7	20.9	21.6	15.7	22.5	21.8	22.8	11.3
C+	11.2	8.8	5.1	15.3	10.9	9.6	8.0	14.7	14.5	14.0	19.6
C	6.5	5.5	0.8	10.6	4.4	3.0	8.0	4.9	15.3	11.5	53.0
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.8	1.2
Average Undergraduate Grade											
A	4.6	5.1	8.0	2.7	5.0	5.4	5.2	4.2	3.4	3.5	2.4
B+,A-	18.3	19.4	26.4	14.5	18.9	19.5	19.3	17.6	12.5	13.0	6.9
B	32.3	33.3	35.5	32.8	29.3	31.9	27.5	25.6	33.4	35.2	14.8
C+,B-	25.0	21.9	22.7	23.9	30.8	30.2	30.0	32.3	26.4	25.2	39.3
C	16.4	16.2	6.6	21.6	13.6	8.7	17.0	20.1	19.5	18.6	29.2
C- or less	3.5	4.0	0.9	4.5	2.5	4.2	1.0	0.3	4.7	4.5	7.4
Degree Aspirations in 1986											
none	2.5	1.6	0.5	4.3	2.0	1.6	4.5	1.1	1.6	1.4	3.3
vocational certificate	0.1	0.0	0.0	0.0	0.5	0.2	0.0	1.3	3.0	3.2	1.0
associate (A.A. or equivalent)	0.9	0.3	0.0	1.4	1.3	1.3	0.4	1.6	17.3	18.6	6.3
bachelor's (B.A., B.S., etc.)	33.9	37.0	17.1	36.5	33.2	30.6	31.0	38.6	44.2	45.5	33.2
master's (M.A., M.S., etc.)	34.6	33.4	41.1	36.9	31.1	31.3	35.3	28.4	24.7	22.4	44.5
Ph.D. or Ed.D	14.7	14.8	18.5	11.5	17.0	18.5	12.4	17.0	3.3	2.9	7.2
M.D., D.O., D.D.S., D.V.M	6.8	9.0	11.6	2.9	7.3	8.5	5.1	6.4	3.0	3.2	1.2
J.D. or LL.B. (law)	4.4	3.9	10.3	2.3	5.4	6.5	5.4	3.6	1.8	1.8	2.1
B.D. or M.Div. (divinity)	1.3	0.1	0.7	3.3	0.6	0.6	1.1	0.2	0.0	0.0	0.0
other	0.8	0.0	0.2	0.9	1.8	1.0	4.8	1.6	1.1	1.1	1.1
Highest Degree Earned by 1988											
none	87.7	87.7	90.6	86.1	88.5	91.2	85.6	85.1	65.7	65.0	73.4
vocational certificate	2.0	1.8	0.6	2.5	1.9	2.1	1.2	2.1	7.1	7.5	2.5
associate (A.A. or equivalent)	7.0	7.3	4.4	8.9	5.0	3.8	8.7	5.2	25.9	26.4	21.6
bachelor's (B.A., B.S., etc.)	0.8	0.5	0.3	0.3	1.8	1.0	1.6	3.4	0.4	0.2	2.5
master's (M.A., M.S., etc.)	0.3	0.4	0.0	0.5	0.2	0.0	1.3	0.0	0.0	0.0	0.0
Ph.D. or Ed.D	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
M.D., D.O., D.D.S., D.V.M	0.1	0.0	0.2	0.0	0.1	0.0	0.2	0.4	0.0	0.0	0.0
J.D. or LL.B. (law)	0.1	0.0	0.0	0.0	0.5	0.0	0.0	1.5	0.0	0.0	0.0
B.D. or M.Div. (divinity)	0.1	0.0	1.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
other	1.9	2.0	2.7	1.6	1.9	1.9	1.4	2.1	0.8	0.9	0.0
Degree Aspirations in 1988											
none	4.2	3.1	0.2	8.5	1.9	1.9	2.5	1.5	5.3	5.2	6.4
vocational certificate	0.1	0.0	0.0	0.1	0.2	0.0	0.8	0.4	3.8	3.9	2.3
associate (A.A. or equivalent)	1.5	1.2	0.0	1.8	2.2	1.2	1.1	4.4	10.6	11.2	3.9
bachelor's (B.A., B.S., etc.)	33.6	36.0	21.3	37.4	30.7	30.6	31.2	30.5	37.8	38.6	29.8
master's (M.A., M.S., etc.)	37.1	35.7	40.8	36.7	38.0	38.4	38.9	36.8	29.2	28.2	40.2
Ph.D. or Ed.D	11.0	9.6	13.7	9.2	14.0	14.2	11.1	15.2	6.9	7.0	6.2
M.D., D.O., D.D.S., D.V.M	4.2	6.1	9.0	2.0	2.9	2.4	3.7	3.4	1.1	1.1	0.8
J.D. or LL.B. (law)	6.5	7.7	14.3	3.2	6.2	6.4	7.8	5.2	3.2	3.1	4.0
B.D. or M.Div. (divinity)	0.4	0.1	0.2	0.2	0.9	0.7	1.9	0.7	0.5	0.5	0.4
other	1.2	0.4	0.4	0.7	3.0	4.2	1.1	1.9	1.6	1.1	6.1

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College Was Student's											
first choice	70.0	72.2	73.1	66.8	70.5	67.9	73.1	73.7	77.5	79.1	61.6
second choice	21.5	19.9	21.3	21.7	23.2	26.0	21.6	19.3	18.3	16.8	33.2
third choice	5.0	4.8	3.4	6.3	4.2	3.4	3.7	5.8	3.1	3.1	3.4
less than third choice	3.4	3.1	2.2	5.2	2.1	2.7	1.7	1.2	1.1	1.0	1.8
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	69.3	66.7	74.1	71.2	68.4	68.7	63.2	70.8	71.9	74.2	49.1
humanities courses	71.7	67.6	80.7	71.0	74.4	73.1	75.7	76.0	63.9	64.7	57.1
social science courses	70.8	72.6	77.8	64.9	73.9	72.9	73.7	75.7	64.6	64.5	65.5
courses in major field	84.2	84.0	85.7	82.9	85.7	86.0	80.3	88.0	80.2	81.0	70.4
general education requirements	59.2	55.3	69.9	55.9	63.9	62.0	65.4	66.3	64.1	65.5	50.2
relevance of coursework to life	51.1	42.6	60.5	49.1	60.3	62.1	56.1	59.3	46.1	47.0	37.8
overall quality of instruction	72.2	64.0	82.9	71.3	79.1	79.0	76.3	80.7	67.9	67.8	69.2
lab facilities and equipment	68.8	70.7	66.1	68.9	67.3	67.8	61.7	69.0	64.0	65.0	51.4
library facilities	78.1	87.4	76.6	78.8	66.6	60.9	70.2	74.6	68.4	68.9	63.3
computer facilities	73.4	77.9	75.3	74.4	66.4	63.2	67.9	71.0	68.4	69.1	62.0
oppty for interdisciplin courses	53.3	53.8	62.0	43.6	60.6	60.8	51.9	64.4	33.2	32.6	39.1
oppty to talk to professors	73.7	63.0	78.6	70.3	88.6	87.9	84.0	92.0	79.2	79.7	74.8
oppty for extracurr activities	77.4	80.2	84.3	67.4	83.7	83.6	79.1	86.0	68.7	67.4	82.6
campus social life	62.7	71.5	59.5	54.4	63.8	62.5	66.6	64.8	52.5	53.5	42.8
regulations on campus life	38.5	41.1	52.7	30.1	40.5	40.9	35.2	42.4	39.9	41.2	25.0
academic tutoring or assistance	61.1	55.6	66.5	64.1	61.0	58.2	69.6	61.3	57.7	58.9	46.3
academic advising	53.8	49.6	51.9	52.7	60.6	51.0	64.9	74.4	50.2	49.6	56.0
career counseling and advising	51.0	44.4	49.0	54.0	55.1	50.1	53.1	63.8	46.0	46.9	37.8
student housing	51.6	46.1	58.0	53.0	54.1	50.5	56.4	59.6	41.6	39.1	60.6
financial aid services	41.5	33.4	47.5	38.4	50.7	48.6	45.9	56.8	44.5	44.0	48.7
contact with faculty and admin	57.9	43.8	61.3	56.6	74.3	68.5	78.8	82.0	65.5	65.8	62.5
relations with faculty and admin	58.3	49.5	68.8	52.9	71.4	65.9	80.5	76.2	65.4	66.3	56.9
oppty to attend films,concerts	69.6	75.9	82.7	58.8	71.0	74.1	61.8	70.5	54.5	54.3	56.7
job placement services	50.0	47.6	67.4	45.8	50.9	47.2	53.0	56.1	39.9	40.3	36.6
campus health services	62.2	67.3	66.4	65.6	50.9	50.4	43.3	55.2	45.6	45.0	50.7
overall college experience	76.3	79.8	83.3	72.0	74.9	74.3	72.0	77.5	71.2	73.2	50.0
Enroll at Freshman College Again											
definitely yes	36.3	43.2	42.7	29.2	34.8	33.0	36.5	37.2	38.0	39.8	19.7
probably yes	33.4	34.7	37.5	32.4	31.8	34.1	31.2	28.0	29.8	30.4	23.5
don't know	3.5	3.0	2.9	3.2	4.7	3.7	3.4	7.2	4.9	5.3	1.7
probably not	17.1	10.8	11.2	24.6	17.2	16.3	18.0	18.2	15.3	14.0	27.9
definitely not	9.7	8.3	5.6	10.6	11.5	12.9	11.0	9.5	12.0	10.5	27.2
Plans for Fall 1988											
attend college full-time	88.4	91.7	83.5	83.5	92.4	93.2	90.6	92.1	61.1	60.5	66.3
attend college part-time	2.7	2.6	2.1	3.0	2.4	2.7	3.9	1.2	7.9	7.5	11.8
attend graduate school	0.5	0.6	1.1	0.2	0.7	0.5	2.5	0.0	2.1	2.3	0.3
attend vocational program	0.8	1.0	0.7	0.6	0.8	0.5	0.0	1.9	0.8	0.7	1.8
work full-time	11.7	6.8	6.5	20.3	8.2	8.2	6.0	9.5	31.7	32.6	22.1
work part-time	37.6	44.2	33.1	27.4	44.3	43.0	47.9	44.6	26.9	27.9	17.1
serve in Armed Forces	5.2	2.5	1.6	11.6	1.5	1.9	1.6	0.9	5.4	5.4	5.2
travel	6.4	8.2	4.2	4.0	8.0	9.9	3.9	7.0	3.6	3.9	0.5
do volunteer work	8.6	8.1	16.9	5.5	10.2	9.7	8.2	12.1	5.1	5.4	2.6
stay at home	3.9	3.8	2.9	3.6	4.6	4.6	4.2	4.7	9.2	8.7	13.9

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Took Time Off, Withdrew or Transferred											
no	70.2	76.1	80.5	60.4	72.2	73.5	72.5	69.8	65.1	68.0	37.1
transferred	17.4	14.5	9.8	21.2	18.8	20.6	21.4	14.5	12.1	11.3	20.0
withdrew	6.6	5.2	1.7	9.4	6.5	3.6	4.2	12.6	16.1	15.3	24.3
leave of absence	5.7	4.2	8.1	9.0	2.5	2.3	1.9	3.2	6.7	5.4	18.6
Reasons Noted as Very Important for Taking Time Off (4)											
changed career plans	22.4	20.6	11.7	26.4	20.2	21.3	23.4	17.0	36.0	38.3	*24.6*
couldn't afford college	21.4	14.5	17.3	24.0	24.7	18.8	19.1	36.6	22.2	23.1	*17.7*
didn't "fit in"	21.1	20.5	13.9	19.5	26.2	25.1	22.7	29.5	9.4	5.2	*29.6*
family responsibilities	6.2	3.7	4.6	8.5	5.1	5.5	5.3	4.5	8.9	8.7	*9.8*
had good job offer	4.5	2.9	5.3	5.8	3.9	6.4	1.4	0.9	17.2	19.4	*6.6*
reconsider goals and interests	42.6	46.5	22.4	44.5	40.3	35.8	35.5	49.7	43.6	46.5	*29.8*
tired of being student	10.1	6.3	1.6	16.0	5.9	7.4	7.5	2.7	15.5	18.6	*0.9*
wanted better acad. reputation	25.4	23.1	9.5	33.9	16.3	21.2	18.4	7.4	16.3	16.5	*15.5*
wanted better social life	15.6	8.1	14.0	17.0	20.9	16.9	20.8	27.2	8.6	7.7	*13.1*
wanted practical experience	18.3	19.6	9.7	22.5	12.0	13.1	15.5	8.8	13.0	13.6	*9.7*
wanted to be closer to home	8.9	5.5	6.1	8.5	13.6	17.2	7.7	10.7	12.3	9.7	*25.1*
wanted wider course selection	30.7	13.6	3.8	41.7	34.1	34.6	29.6	35.2	16.3	14.6	*24.9*
was bored with course work	15.1	14.1	5.9	19.6	10.8	8.4	14.2	13.1	13.8	16.0	*3.1*
wasn't doing well academically	29.8	31.9	8.7	33.9	25.8	23.6	14.2	34.5	27.7	31.6	*8.8*
ENROLLMENT STATUS											
First Year											
attended full-time	97.4	98.8	99.1	94.5	98.6	99.4	98.8	97.2	97.6	97.4	98.8
attended part-time	1.3	1.1	0.9	1.6	1.1	0.5	0.2	2.8	2.1	2.3	0.7
not enrolled	1.3	0.1	0.0	3.9	0.2	0.1	1.0	0.0	0.3	0.3	0.5
Second Year											
attended full-time	92.5	93.1	95.9	88.4	95.8	95.9	95.2	95.9	83.3	84.4	71.8
attended part-time	4.9	4.7	1.0	8.3	2.3	1.9	2.6	2.8	7.0	6.8	8.3
not enrolled	2.6	2.2	3.1	3.3	1.9	2.2	2.2	1.3	9.8	8.8	19.9
Miles from 1986 Home to College											
5 or less	5.3	3.6	5.2	6.4	5.9	5.6	9.2	4.6	9.4	10.1	2.9
6-10	6.2	6.0	5.4	8.4	4.0	3.2	8.8	2.9	13.3	14.3	3.8
11-50	20.2	18.5	11.9	24.3	20.2	20.8	26.2	16.1	46.6	49.8	15.4
51-100	17.4	19.7	7.4	17.8	17.7	18.6	14.3	18.0	11.4	10.4	21.0
101-500	36.1	45.7	34.5	27.1	37.1	33.2	26.6	49.1	17.6	14.5	47.4
more than 500	14.7	6.5	35.5	16.0	15.1	18.7	14.8	9.4	1.7	0.9	9.6

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1986											
academic ability	69.8	77.9	83.4	63.8	63.0	67.8	60.8	55.9	39.1	41.1	19.9
artistic ability	27.7	27.7	28.1	27.5	27.6	30.5	24.0	24.5	21.6	21.0	27.5
drive to achieve	70.9	70.8	79.4	73.1	65.2	67.3	61.3	63.8	49.4	49.2	50.5
emotional health	70.3	71.8	72.2	73.3	63.9	63.5	63.6	64.7	58.7	57.0	75.2
foreign language ability	31.9	37.3	41.1	27.6	27.8	30.6	29.4	22.1	19.2	20.1	10.3
leadership ability	65.9	65.4	72.3	69.9	59.0	61.0	60.0	54.8	45.4	45.2	47.1
mathematical ability	55.7	65.3	72.4	47.7	48.4	50.3	46.0	46.3	41.3	43.6	18.4
physical health	75.6	78.0	77.9	76.2	71.0	72.6	73.6	66.8	65.4	66.6	53.7
popularity	56.3	56.1	60.2	59.5	51.1	51.5	48.5	51.7	41.6	40.4	53.2
self-confidence (intell)	72.3	76.8	77.0	71.9	65.9	70.7	59.9	60.8	51.5	51.5	51.7
self-confidence (social)	58.4	58.9	56.1	63.3	52.5	54.2	53.8	49.0	42.5	40.1	65.9
writing ability	47.5	50.4	55.5	45.6	43.5	46.3	44.1	38.5	28.6	28.9	25.0
in 1988											
academic ability	68.9	73.9	86.0	60.9	67.0	72.2	62.8	60.2	53.1	54.3	41.4
artistic ability	30.6	33.5	29.5	27.0	32.2	34.6	27.5	30.6	25.7	23.8	44.8
competitiveness	68.1	68.0	74.1	69.7	64.1	66.3	62.9	60.8	63.2	64.4	50.6
drive to achieve	69.1	68.9	78.7	68.8	66.3	68.2	65.6	63.5	59.7	60.2	54.9
emotional health	64.9	64.3	69.6	63.8	65.5	66.1	60.7	67.0	59.2	59.5	56.3
foreign language ability	31.7	34.8	40.8	26.9	30.9	31.5	31.7	29.4	14.6	15.4	6.7
leadership ability	66.6	65.2	74.1	69.4	62.0	61.5	64.5	61.5	55.3	56.1	46.6
mathematical ability	52.2	60.4	66.0	43.3	48.8	51.0	42.8	48.2	44.6	46.6	24.0
physical health	71.7	71.5	76.8	73.9	67.3	64.7	74.2	68.0	66.8	68.2	52.7
popularity	54.4	53.3	54.2	55.0	55.2	54.2	55.9	56.4	47.3	47.0	49.7
popularity with opposite sex	50.7	45.9	49.8	54.0	52.4	51.1	54.4	53.6	46.8	46.7	48.4
public speaking ability	43.2	41.7	50.2	43.7	41.7	43.7	42.5	37.9	34.6	35.3	27.9
self-confidence (intell)	69.0	72.9	77.3	65.3	66.1	71.6	66.0	56.6	54.4	55.8	40.6
self-confidence (social)	59.1	58.1	58.5	61.0	58.2	58.9	56.1	58.1	50.6	50.8	48.6
writing ability	54.6	57.4	66.4	49.7	53.4	55.2	52.5	50.8	37.6	37.7	36.5
Students Reporting Much Stronger Abilities and Skills in 1988											
ability to work independently	24.5	23.1	23.0	26.3	24.5	25.3	22.3	24.3	20.7	21.5	12.5
acceptance of dif races/cultures	17.4	13.5	18.7	15.9	23.3	27.7	15.1	20.1	14.6	14.6	14.9
committment to specific career	23.5	21.2	20.9	26.0	24.0	24.0	21.8	25.0	21.9	22.0	21.0
concern about financial security	28.0	25.6	22.0	33.0	26.7	23.3	30.4	30.8	33.6	32.4	46.7
confidence in academic abilities	16.2	12.9	18.2	18.5	16.6	20.0	11.8	13.2	18.2	18.7	12.9
critical thinking ability	25.3	23.1	31.0	25.3	25.8	28.8	22.2	22.5	18.6	18.6	18.6
cultural awareness	18.8	21.0	23.2	14.2	20.3	21.5	16.8	20.1	10.8	10.5	13.4
foreign language ability	5.1	5.1	7.5	3.1	6.7	5.5	10.4	7.0	1.5	1.1	5.6
general knowledge	33.0	31.8	37.5	32.7	33.3	35.0	29.7	32.2	32.6	33.4	24.4
interest in grad/prof school	23.4	20.6	21.7	23.5	27.1	24.9	27.1	30.9	20.1	19.7	24.7
interpersonal skills	16.7	18.4	17.7	15.0	16.5	16.2	17.4	16.3	14.1	14.6	8.8
job-related skills	17.5	15.5	18.4	18.7	17.9	20.4	18.9	12.8	22.0	23.0	11.8
knowledge of particular field	42.7	41.8	44.7	39.5	47.0	53.5	40.4	39.2	41.4	42.4	31.7
leadership abilities	16.0	9.6	18.2	21.2	16.2	17.3	12.8	16.1	15.4	15.5	14.1
motivation to earn degree	33.2	27.6	28.1	36.7	37.2	37.6	30.2	40.2	30.8	31.0	29.1
preparation for grad/prof school	14.8	11.4	18.5	14.1	18.4	18.5	15.4	19.6	11.9	11.2	19.2
problem-solving skills	20.5	18.7	22.2	21.4	21.0	25.2	17.1	15.8	16.7	17.5	9.3
religious beliefs & convictions	6.9	4.9	13.3	5.3	8.7	10.3	8.0	6.4	3.8	3.4	8.1
speaking and writing ability	16.3	15.4	16.0	17.1	16.4	17.3	12.8	16.7	14.2	14.6	9.9
tolerance of different beliefs	17.9	14.7	21.6	19.4	18.5	20.9	17.0	15.2	14.6	15.4	7.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (in 1986)											
be elected to student office....	6.6	3.3	5.6	10.7	5.6	6.4	6.1	4.1	2.4	2.3	3.7
be satisfied with college.....	54.0	54.9	67.4	49.7	53.4	57.0	53.0	47.6	49.7	51.0	36.4
change career choice.....	12.2	11.7	17.8	11.7	11.4	11.6	9.6	11.9	5.8	5.9	4.0
change major field.....	14.4	13.4	20.3	16.1	11.2	11.8	11.9	9.9	8.0	8.2	6.4
drop out permanently.....	1.8	0.8	0.4	4.1	0.7	1.0	0.3	0.5	0.6	0.5	1.8
drop out temporarily.....	1.9	0.9	3.4	3.4	0.6	0.9	0.0	0.4	2.2	1.0	14.9
fail one or more courses.....	3.1	0.6	2.1	7.4	1.0	1.6	0.9	0.2	1.2	1.3	0.0
get job to pay expenses.....	36.4	34.4	42.2	36.1	37.0	40.2	38.1	31.0	33.6	34.9	19.7
join social frat or sorority....	17.5	17.5	24.3	16.8	16.1	13.3	17.1	20.2	9.7	9.8	9.0
make at least "B" average.....	41.8	40.9	56.4	40.0	40.0	42.6	43.6	33.8	38.5	40.2	20.9
marry while in college.....	3.8	3.2	5.6	4.6	2.9	2.7	3.2	3.2	2.3	2.2	3.2
participate in student protests.	6.5	5.4	6.9	7.1	6.8	8.5	6.2	4.2	4.5	4.9	1.4
play varsity athletics.....	21.2	12.1	16.2	23.9	30.0	30.0	31.0	29.5	10.0	9.4	16.3
receive individual counseling...	5.3	2.2	2.6	9.7	4.3	6.5	3.7	1.1	2.3	2.3	2.4
receive vocational counseling...	6.6	6.1	8.5	7.6	5.3	6.9	3.1	3.9	6.0	6.6	0.7
transfer to another college.....	9.0	5.1	3.0	15.1	8.1	7.2	7.1	10.2	12.4	10.3	34.7
work at outside job.....	16.8	15.5	15.5	20.4	14.2	13.7	17.1	13.6	21.0	22.5	5.2
work full-time while attending..	4.4	1.1	2.6	9.1	2.9	3.5	3.9	1.2	3.9	4.1	0.9
Events Occurring by 1988											
was elected to student office...	14.0	9.7	13.7	16.0	16.6	15.9	16.5	17.8	12.1	11.6	17.2
satisfied with freshman coll (5)	76.3	79.8	83.3	72.0	74.9	74.3	72.0	77.5	71.2	73.2	50.0
changed career choice (5).....	40.5	42.0	37.0	42.2	37.8	33.9	45.2	40.9	37.3	36.0	50.1
changed major field (5).....	43.0	43.4	43.5	46.2	38.3	38.0	46.3	34.7	40.3	37.9	66.4
dropped out permanently (5).....	6.6	5.2	1.7	9.4	6.5	3.6	4.2	12.6	16.1	15.3	24.3
dropped out temporarily (5).....	5.7	4.2	8.1	9.0	2.5	2.3	1.9	3.2	6.7	5.4	18.6
failed one or more courses.....	36.8	36.3	20.5	46.3	30.8	31.7	25.8	32.1	31.7	30.0	48.2
joined social frat or sorority..	24.4	29.2	25.0	21.2	22.6	22.2	13.1	28.5	3.6	3.0	9.1
made at least "B" average (5)...	55.1	57.8	69.8	50.0	53.1	56.9	52.0	47.4	49.3	51.8	24.1
got married.....	1.5	1.1	1.1	1.7	2.0	2.6	0.8	1.5	2.2	2.3	1.1
participated in student protests	16.3	15.8	14.1	16.1	17.9	21.5	8.4	16.5	4.4	4.2	6.2
played intercollegiate sports...	34.3	27.6	26.3	35.2	44.0	43.3	39.5	47.6	24.2	22.3	43.1
received personal counseling....	9.4	7.7	11.7	8.2	12.1	12.8	11.9	10.8	3.5	3.2	6.2
received vocational counseling..	33.8	31.4	30.5	36.7	34.2	29.3	39.1	40.2	29.2	29.2	28.3
transferred before graduating(5)	17.4	14.5	9.8	21.2	18.8	20.6	21.4	14.5	12.1	11.3	20.0
worked full-time while student..	11.0	10.0	5.1	14.9	9.5	11.1	6.8	8.1	15.2	14.9	18.4
worked part-time job off campus.	47.4	48.4	36.5	49.9	46.9	42.8	54.9	49.9	67.0	67.4	62.6
worked part-time job on campus..	32.8	28.6	41.1	22.8	47.3	47.0	52.6	44.9	25.3	24.4	34.0
Other College Activities											
enrolled in honors program.....	28.6	26.4	31.7	26.9	32.4	37.2	25.9	27.7	20.4	20.3	21.0
in college internship program...	7.6	7.0	8.6	4.3	12.1	14.3	7.0	11.0	6.5	6.5	7.0
in study abroad program.....	4.3	2.0	4.5	3.3	8.1	10.4	4.5	6.2	2.1	2.1	1.8
taken reading/study skills class	24.7	16.5	13.8	32.9	28.1	24.9	28.0	34.0	26.2	24.8	39.9
taken remedial/develop. classes.	13.1	6.8	3.7	22.0	12.6	10.1	14.2	16.3	19.9	20.5	13.7
worked in political campaign....	9.0	6.2	8.1	12.0	9.0	9.3	9.1	8.5	3.7	3.4	6.3
worked on prof's research proj..	10.4	9.6	9.5	9.9	12.3	14.4	12.2	8.6	10.8	10.9	9.6

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Past Year											
Reported in 1986											
attended public recital/concert.	77.4	78.7	78.8	74.8	78.8	77.3	82.6	79.3	63.4	62.1	76.4
been guest in teacher's home....	36.4	33.7	34.9	38.6	37.3	34.3	33.8	44.4	30.3	30.4	29.7
didn't complete homework on time	72.9	73.6	72.6	71.1	74.5	73.8	74.8	75.7	67.5	66.1	83.2
drank beer.....	73.0	78.8	69.2	72.6	68.0	66.6	79.2	64.6	77.4	78.1	70.2
felt depressed (6).....	7.8	4.8	7.8	9.7	9.2	9.1	7.7	10.0	6.4	6.6	3.8
felt overwhelmed (6).....	13.7	12.3	11.1	15.8	13.7	13.1	13.5	14.8	14.2	14.2	14.3
missed school due to illness (6)	4.1	1.9	1.2	8.5	2.2	2.7	1.7	1.6	1.7	1.3	6.3
smoked cigarettes (6).....	7.7	6.5	3.2	10.3	7.6	9.3	7.4	4.6	9.5	9.4	10.6
stayed up all night.....	76.9	74.6	72.7	78.3	79.4	82.2	76.6	75.8	77.9	77.8	79.5
tutored another student.....	49.3	51.8	58.3	45.5	48.1	46.6	48.9	50.1	30.0	29.6	34.8
won varsity letter in sports....	61.1	58.2	65.9	63.2	60.2	60.0	63.1	59.1	44.4	42.5	65.6
Reported in 1988											
assisted faculty in teaching....	13.9	9.2	10.7	12.5	22.5	25.1	18.2	20.1	18.2	17.7	22.9
attended musical recital/concert	72.5	69.0	73.2	71.8	77.4	76.2	76.9	79.8	59.3	57.7	75.2
been guest in professor's home..	20.9	12.8	21.0	15.1	37.4	36.8	24.5	45.3	12.6	10.9	28.8
been lonely or homesick (6).....	6.5	4.4	4.7	9.3	6.2	8.0	7.0	2.6	3.0	3.1	1.3
cheated on quiz or exam.....	21.8	26.9	16.6	21.8	17.6	19.8	24.1	10.3	20.3	20.8	16.2
confided in friend about problem	84.7	85.3	86.9	81.9	86.5	85.8	87.0	87.5	73.9	73.5	77.7
copied homework from other stdnt	37.9	42.3	40.0	34.9	35.8	30.0	47.8	39.6	36.5	37.6	26.0
didn't complete homework on time	63.8	63.3	59.4	63.0	67.0	63.7	68.1	72.2	62.1	62.5	57.8
discussed course w/student (6)..	56.1	54.0	62.8	53.5	59.3	62.5	61.6	52.7	46.8	47.6	38.4
drank beer.....	80.8	85.7	74.6	81.7	76.1	72.6	87.7	76.2	79.1	80.1	68.9
drank wine or liquor.....	72.0	79.2	70.4	68.0	69.1	64.6	81.1	70.5	64.1	65.0	55.0
felt depressed (6).....	10.2	9.2	10.3	10.5	10.9	11.7	12.1	8.7	8.6	8.5	9.4
felt like leaving college.....	45.5	44.2	36.0	52.3	41.7	40.5	36.0	46.7	45.2	44.9	48.6
felt overwhelmed (6).....	24.2	23.4	26.3	20.6	28.8	27.7	29.0	30.8	23.2	23.6	19.2
jogged (6).....	19.8	13.8	25.8	27.1	15.8	16.5	17.5	13.7	14.0	13.4	19.9
missed class due to illness (6).	1.5	1.8	0.5	1.4	1.7	1.9	0.1	2.1	1.8	2.0	0.6
participated in intramural sport	64.2	64.6	69.3	61.4	65.5	61.1	65.3	73.2	46.8	45.9	55.7
smoked cigarettes (6).....	8.8	9.7	2.1	10.6	7.9	10.8	8.7	2.6	12.8	12.7	13.9
stayed up all night.....	71.4	70.4	74.4	69.0	74.6	79.0	70.9	69.0	62.3	62.1	65.2
took interdisciplinary course...	46.2	42.0	54.2	44.4	50.6	56.1	41.2	45.8	24.2	24.3	23.3
tutored another student.....	51.7	54.8	49.1	46.5	55.6	58.7	51.0	52.5	45.0	45.3	42.2
worked on group proj in class...	74.3	70.1	69.2	75.8	79.2	78.4	75.5	82.5	83.3	84.8	68.4
worked on independent res proj..	42.5	32.8	34.4	46.9	51.4	54.4	49.8	47.2	39.8	38.7	50.7
Political Views in 1986											
far left.....	1.5	1.5	1.0	1.1	2.3	2.5	1.6	2.4	1.5	1.6	0.0
liberal.....	24.1	25.6	23.1	25.4	21.0	24.3	19.9	15.9	20.6	19.5	30.3
middle of the road.....	47.2	49.6	40.3	46.2	48.0	48.0	47.7	48.1	58.1	58.0	59.0
conservative.....	24.6	22.3	32.7	22.4	27.1	23.7	28.7	32.1	18.5	19.4	9.7
far right.....	2.6	0.9	2.9	4.9	1.6	1.6	2.1	1.5	1.4	1.5	1.0
Political Views in 1988											
far left.....	2.8	2.3	1.8	4.2	2.1	3.4	0.5	0.7	3.2	3.4	1.1
liberal.....	22.9	21.9	19.8	21.2	27.1	33.3	18.0	21.5	19.9	19.9	20.1
middle of road.....	41.9	41.9	34.9	46.5	38.7	32.6	48.4	44.1	56.0	55.8	57.6
conservative.....	31.6	33.1	41.7	27.6	31.0	29.7	31.8	33.0	19.1	18.9	20.9
far right.....	0.8	0.8	1.8	0.5	1.0	1.1	1.3	0.6	1.8	2.0	0.3

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MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1986											
with parents or relatives	11.3	7.4	7.5	18.2	9.8	10.7	15.7	5.4	31.8	33.7	13.6
other private home or apartment	27.4	30.2	18.0	31.0	23.5	19.4	24.1	29.7	26.3	26.5	23.9
college dormitory	43.9	43.1	66.9	31.0	50.8	52.8	44.2	50.9	28.3	27.6	34.2
fraternity or sorority house	8.7	10.4	4.0	10.7	6.3	7.2	5.5	5.3	3.5	3.2	6.8
other campus housing	5.5	5.0	2.2	4.6	8.2	8.5	8.2	7.9	2.4	1.7	9.3
other	3.1	3.8	1.5	4.5	1.4	1.5	2.3	0.8	7.7	7.3	12.3
Planned for Fall 1986											
with parents or relatives	17.5	13.9	13.9	26.9	11.7	10.7	23.2	7.6	55.0	57.9	26.0
other private home or apartment	3.1	4.2	1.8	3.1	2.3	3.3	3.0	0.2	13.7	15.1	0.1
college dormitory	75.4	77.2	82.5	66.6	81.2	81.0	72.1	86.2	28.1	23.9	69.9
fraternity or sorority house	1.0	1.6	0.3	0.2	1.4	0.5	0.0	3.8	0.0	0.0	0.5
other campus housing	2.1	2.5	1.3	1.1	3.2	4.4	1.7	1.9	1.3	1.4	0.0
other	0.9	0.6	0.2	2.1	0.1	0.1	0.0	0.2	1.8	1.7	3.5
First Year											
with parents or relatives	19.1	14.6	12.4	31.6	12.1	9.8	25.0	9.4	57.2	60.2	28.3
other private home,apt,room	4.1	5.9	2.0	5.0	1.7	1.6	2.3	1.8	12.8	13.6	4.4
college dormitory	74.1	76.3	80.5	61.2	84.4	86.6	71.2	87.8	27.3	23.2	66.5
frat or sorority house	0.8	1.7	1.8	0.1	0.3	0.1	0.0	0.9	0.0	0.0	0.0
other campus student housing	1.6	1.4	3.1	1.7	1.3	2.0	1.3	0.1	1.5	1.6	0.8
other	0.2	0.2	0.2	0.5	0.0	0.0	0.2	0.0	1.2	1.3	0.0
Second Year											
with parents or relatives	21.3	14.1	13.6	33.0	17.7	13.3	30.7	18.6	51.2	53.6	27.3
other private home,apt,room	17.0	24.8	12.8	14.2	12.5	16.9	10.6	5.4	20.4	21.7	7.2
college dormitory	49.0	45.0	60.3	43.8	56.7	55.5	47.1	64.2	24.5	21.2	58.6
frat or sorority house	6.6	9.3	6.8	3.3	7.3	8.7	2.4	7.5	0.2	0.2	0.0
other campus student housing	4.7	5.2	5.0	4.0	4.9	4.9	8.3	3.1	2.0	2.2	0.2
other	1.4	1.6	1.5	1.7	0.8	0.6	0.9	1.3	1.6	1.2	6.7
College Objectives Noted as Very Important or Essential											
conduct research	39.0	40.8	43.8	40.1	33.9	35.8	27.4	34.0	39.5	39.3	42.7
convey apprec. of liberal arts	42.4	31.6	51.5	33.9	62.1	59.8	62.7	65.9	29.9	27.7	54.0
develop clear thinking ability	75.8	73.1	85.7	72.5	79.4	82.1	75.2	77.0	67.4	66.5	77.5
develop creative capacities	53.0	47.4	55.8	53.1	58.5	61.1	53.4	56.7	55.3	54.6	62.5
develop moral character	44.7	31.6	59.9	42.4	57.5	51.2	62.8	65.7	44.2	42.2	65.7
develop religious convictions	18.0	6.2	33.5	12.2	33.3	25.7	43.5	41.1	12.9	10.1	42.8
develop responsible citizens	46.9	36.0	62.7	47.8	52.9	46.8	63.8	57.8	45.5	44.3	59.3
gain deeper level of understand.	40.2	25.8	51.2	38.8	54.9	56.2	55.5	52.1	40.5	39.0	56.7
increase self-directed learning	56.9	46.3	64.1	58.7	64.4	68.8	52.3	63.3	51.1	51.0	52.1
master knowledge in discipline	62.7	61.2	76.1	56.4	67.7	71.0	56.7	67.8	45.5	45.0	51.9
prepare students for employment	69.9	66.8	76.2	74.5	65.7	61.8	70.9	69.8	66.4	66.0	71.1
prepare students for family liv.	25.1	19.3	30.0	25.6	29.7	27.9	33.5	30.9	28.6	26.8	48.1
prepare students for grad school	47.6	42.4	63.2	43.5	53.2	52.1	50.3	56.8	36.9	35.9	48.6
provide for emotional develop	33.0	24.4	44.7	31.5	40.8	39.1	45.5	41.2	30.4	28.5	51.5
provide skilled workers for bus.	45.4	41.8	49.2	48.3	44.5	41.3	52.0	46.1	52.4	52.6	51.1
provide tools for living in soc.	56.4	48.6	68.0	55.1	63.0	64.6	58.0	62.8	46.5	47.2	38.2

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Personal Objectives Noted as Very Important or Essential in 1986											
achieve in a performing art.....	13.3	11.1	9.8	14.8	15.2	19.2	9.5	11.3	7.3	6.0	19.6
be expert on finance/commerce...	33.5	33.5	35.0	36.9	28.9	24.8	32.9	33.6	22.0	22.3	19.3
be involved in environ cleanup..	18.7	17.0	13.3	22.0	18.5	18.8	15.4	19.6	19.6	18.8	27.5
be successful in own business...	52.8	48.7	46.1	58.7	52.9	51.2	56.2	54.0	53.2	53.2	52.6
be very well off financially....	76.9	76.4	74.8	81.9	71.9	70.0	75.0	73.7	79.7	79.9	77.6
become authority in my field....	73.1	73.3	73.8	73.4	72.3	71.9	71.3	73.7	72.2	71.8	76.6
create artistic work.....	13.0	9.5	9.3	15.8	14.8	21.3	5.4	8.9	7.1	5.0	27.9
develop philosophy of life.....	45.1	44.4	52.2	39.5	50.2	53.6	46.0	46.6	32.2	31.5	39.7
have admin. responsibility.....	48.4	45.9	49.5	52.5	45.6	45.1	46.4	46.2	40.0	39.8	41.5
help others in difficulty.....	50.6	47.6	53.2	50.1	53.7	54.6	49.5	54.5	37.9	38.5	31.4
influence political structure...	21.9	16.7	23.0	26.5	21.7	22.1	25.5	19.1	12.3	10.6	29.0
influence social values.....	33.0	26.6	37.3	36.1	34.8	36.8	33.3	32.1	23.7	24.0	21.0
obtain recog from colleagues....	57.1	59.3	57.3	58.0	53.4	54.7	50.3	52.8	55.3	54.1	66.7
participate in community action.	18.5	16.2	17.3	20.5	18.9	19.2	21.6	17.2	10.8	10.2	16.8
promote racial understanding....	28.0	21.7	30.5	30.0	31.9	39.5	27.1	21.6	16.3	15.8	21.7
raise a family.....	68.7	65.6	76.3	69.2	68.9	64.5	69.4	76.2	62.9	61.5	77.5
theoretical contrib. to science.	17.8	19.2	17.8	19.2	14.3	15.1	14.5	12.8	14.5	15.1	8.4
write original works.....	14.2	10.7	14.6	16.7	14.8	20.1	11.0	8.0	10.1	9.9	11.8
in 1988											
achieve in a performing art.....	9.8	10.0	8.5	7.0	13.3	17.0	6.4	10.7	9.0	7.5	24.7
be expert on finance/commerce...	27.8	28.2	33.4	26.8	26.7	24.1	23.9	32.7	23.9	24.1	21.9
be involved in environ cleanup..	24.1	22.2	19.4	26.0	25.6	31.0	20.9	19.0	28.0	28.8	20.2
be successful in own business...	44.9	41.7	41.7	47.4	46.6	47.3	38.2	49.8	46.9	45.8	57.0
be very well off financially....	65.1	69.4	60.0	66.5	60.3	56.7	63.5	64.8	74.7	73.7	84.8
become authority in my field....	69.6	69.0	68.8	71.6	68.1	63.1	67.7	76.7	69.5	68.2	82.0
create artistic work.....	12.8	12.3	11.1	11.0	16.2	19.5	10.4	13.4	13.3	12.2	25.1
develop philosophy of life.....	47.2	41.0	58.4	47.2	50.5	51.3	52.1	48.4	40.4	38.5	60.2
get married.....	58.8	60.4	70.8	51.4	61.6	59.4	56.8	68.1	55.3	54.5	62.8
have admin. responsibility.....	42.8	39.0	44.5	47.2	41.2	37.1	43.4	47.1	46.5	45.8	53.8
help others in difficulty.....	54.3	50.7	63.3	49.8	60.9	60.5	58.9	62.5	53.2	52.5	60.0
influence political structure...	22.5	16.8	24.4	26.4	23.5	25.1	20.8	22.1	18.4	17.2	31.1
influence social values.....	33.8	25.5	38.7	32.5	43.2	46.4	41.4	38.8	34.1	31.7	58.1
obtain recog from colleagues....	50.1	50.0	48.1	48.0	53.5	52.9	46.3	58.6	54.2	52.4	72.2
participate in community action.	17.3	10.5	22.3	16.8	24.0	25.9	18.4	23.6	23.7	22.8	32.2
promote racial understanding....	29.0	24.5	35.1	27.8	33.6	39.1	28.0	27.2	21.7	21.0	28.0
raise a family.....	63.0	63.3	73.1	55.6	67.9	65.0	65.6	74.1	58.8	57.2	75.3
theoretical contrib. to science.	13.7	15.5	12.5	12.1	14.0	16.8	10.8	10.8	15.3	15.7	11.4
write original works.....	12.8	12.6	15.2	8.7	17.2	22.6	13.9	9.5	12.2	11.3	21.3
Permission to Use I.D. in 1986											
yes.....	80.4	84.8	81.9	76.3	79.6	77.8	82.5	81.5	75.0	75.1	73.9
no.....	19.6	15.2	18.1	23.7	20.4	22.2	17.5	18.5	25.0	24.9	26.1
Permission to Use I.D. in 1988											
yes.....	71.0	71.2	72.1	69.1	72.7	69.6	73.9	77.4	73.7	74.2	69.1
no.....	29.0	28.8	27.9	30.9	27.3	30.4	26.1	22.6	26.3	25.8	30.9

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agrees Strongly or Somewhat in 1986											
abortion should be legalized....	62.8	66.6	53.2	65.5	58.7	65.3	43.7	55.6	56.6	57.3	49.9
activities of women best in home	24.8	19.3	22.0	31.1	24.4	22.3	29.8	25.2	26.9	28.0	17.0
busing OK to achieve balance....	49.8	49.1	46.3	48.2	53.9	56.8	50.7	50.8	60.0	58.5	74.9
college raises earning power....	72.6	77.3	58.4	77.5	66.3	65.4	66.3	68.0	79.0	78.3	85.1
college regulate off-campus acts	11.7	5.9	13.3	16.0	12.3	11.9	11.5	13.4	12.1	11.5	17.4
gov't not promoting disarmament.	60.1	61.1	62.2	55.8	63.6	69.2	60.4	55.7	56.3	56.7	52.4
high school grading too easy....	52.1	55.1	63.8	45.5	52.4	54.1	51.1	50.2	43.6	44.9	31.1
increase military spending.....	34.7	28.7	32.4	45.2	29.6	30.1	29.5	28.9	32.4	31.9	36.7
live together before marriage...	52.8	57.0	46.2	52.7	50.6	53.7	45.9	47.9	60.0	60.7	52.9
marijuana should be legalized...	24.2	27.1	20.7	24.4	22.0	26.0	23.9	14.2	26.1	26.3	23.7
national health care plan needed	56.0	53.5	50.3	57.9	58.4	62.8	57.7	51.2	64.4	63.9	69.4
no coll invest in S Africa co's.	52.4	55.8	56.7	47.7	52.7	52.5	50.9	53.9	44.0	43.4	49.4
prohibit homosexual relations...	57.6	54.3	51.2	64.6	54.9	50.6	57.6	60.7	70.0	70.2	67.9
raise taxes to reduce deficit...	29.0	27.4	29.8	28.9	30.9	30.9	28.3	32.2	20.0	19.6	23.2
students help evaluate faculty..	74.6	77.2	75.6	71.6	75.0	75.9	70.8	75.5	71.1	72.1	61.4
in 1988											
abortion should be legalized....	58.3	64.3	49.8	56.9	56.1	58.9	43.4	57.8	50.9	51.0	49.7
activities of women best in home	18.7	16.3	20.4	18.4	21.1	19.3	20.2	24.7	24.5	24.6	23.2
busing OK to achieve balance....	43.0	41.9	46.3	40.0	46.8	51.6	44.6	39.7	42.0	42.4	38.4
college grading too easy.....	20.1	16.9	19.1	20.9	23.4	26.3	26.9	16.3	19.5	19.9	15.9
college raises earning power....	55.9	56.4	49.6	63.6	47.8	45.5	55.4	47.9	66.9	66.6	69.1
college regulate off-campus acts	9.9	6.0	14.1	11.9	10.6	11.2	9.0	10.4	9.9	9.2	18.0
employers can require drug test.	61.7	56.9	66.5	63.3	63.4	61.8	70.0	63.0	68.9	68.8	70.3
gov't not promoting disarmament.	56.2	51.7	47.8	58.6	61.5	65.9	67.9	50.6	57.8	58.6	50.2
increase military spending.....	32.9	29.9	30.7	37.2	31.7	30.4	30.0	34.8	34.3	34.8	29.7
live together before marriage...	52.8	57.2	43.3	52.8	51.0	54.4	47.7	46.8	61.3	62.6	47.7
mandatory testing for AIDS.....	51.6	49.0	46.8	55.3	51.6	46.7	54.0	58.9	60.3	60.9	54.2
marijuana should be legalized...	27.8	29.4	22.8	29.1	25.9	28.0	24.2	23.2	25.3	25.6	22.0
national health care plan needed	61.3	58.1	51.1	63.5	66.0	73.7	67.0	52.1	67.6	69.1	51.8
no coll invest in S Africa co's.	52.6	50.7	52.3	52.4	55.0	61.9	46.5	47.7	48.9	49.7	40.8
prohibit homosexual relations...	45.6	42.4	41.0	50.4	45.1	38.9	48.6	53.9	58.8	59.4	53.3
raise taxes to reduce deficit...	32.1	34.5	37.9	29.2	30.9	29.5	31.6	32.8	24.4	25.2	17.0
sex OK if people like each other	57.9	62.9	50.3	59.4	52.7	55.8	53.5	47.0	63.4	65.6	40.7
students help evaluate faculty..	83.5	85.9	84.5	81.8	82.3	81.3	80.9	84.8	81.3	81.5	78.7

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MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
None											
studying/doing homework	3.2	3.1	2.2	4.6	1.7	2.7	1.0	0.5	2.1	2.1	1.2
socializing with friends	0.3	0.2	0.2	0.4	0.4	0.6	0.0	0.4	0.5	0.6	0.0
talk with faculty outside class	20.0	21.2	13.7	25.0	14.7	15.8	12.5	14.1	23.2	24.0	15.0
exercising/sports	4.1	3.6	2.2	3.6	5.9	6.1	6.1	5.5	5.9	5.9	5.8
using a personal computer	43.3	39.0	50.9	44.1	44.6	45.1	42.6	44.9	49.7	51.3	34.6
partying	15.6	13.6	17.0	13.7	19.9	20.6	10.2	23.7	19.0	18.8	21.9
working (for pay)	27.7	27.9	36.5	23.5	29.5	28.7	27.6	32.0	18.6	18.0	24.4
volunteer work	54.2	59.6	43.9	58.7	46.1	49.1	47.8	40.0	59.2	58.2	69.9
student clubs/groups	37.0	35.7	25.9	43.6	34.5	36.1	37.4	30.1	51.7	53.5	32.5
watching TV	5.8	4.5	6.1	6.5	6.3	8.5	7.1	2.3	4.1	4.3	1.5
religious services/meetings	34.4	41.0	29.8	30.6	33.4	40.5	23.6	26.1	37.9	38.3	34.0
hobbies	9.3	10.2	10.3	10.4	6.3	6.4	7.0	5.8	6.6	6.6	6.3
Six or More											
studying/doing homework	45.9	41.8	56.6	39.2	55.0	57.0	54.8	51.6	39.8	40.6	31.6
socializing with friends	84.7	85.5	85.0	86.1	81.8	81.0	85.3	81.4	85.4	85.4	85.4
talk with faculty outside class	9.0	7.8	7.4	8.4	11.6	9.6	9.7	16.1	9.8	9.7	11.0
exercising/sports	69.8	68.9	73.8	72.9	65.5	61.4	71.0	69.7	55.5	55.3	57.9
using a personal computer	12.3	14.9	9.3	12.6	10.1	10.1	12.9	8.5	11.9	11.8	13.2
partying	41.2	44.7	35.7	41.8	38.2	39.3	40.9	35.1	39.7	39.2	44.6
working (for pay)	58.4	62.1	47.9	60.6	55.2	56.9	61.7	48.9	72.1	72.3	69.3
volunteer work	6.7	5.4	7.0	5.7	9.5	8.6	10.5	10.5	6.3	6.7	2.0
student clubs/groups	15.3	14.2	19.9	14.0	16.5	14.3	20.2	18.4	10.1	10.7	4.4
watching TV	43.5	44.2	33.7	47.0	42.0	40.6	35.9	47.8	53.2	52.5	60.9
religious services/meetings	4.8	2.7	5.7	4.3	7.8	8.3	3.3	9.2	6.4	6.6	3.6
hobbies	35.8	36.1	26.3	37.9	36.4	36.5	38.5	34.9	38.6	39.0	35.0
Sixteen or More											
studying/doing homework	8.6	7.9	14.4	6.3	10.1	9.8	10.0	10.7	4.3	4.5	2.7
socializing with friends	43.8	41.6	34.1	48.9	43.7	44.3	40.8	44.3	41.8	40.1	58.8
talk with faculty outside class	1.3	2.0	0.9	0.9	1.1	1.2	0.9	1.2	1.9	2.1	0.6
exercising/sports	29.8	24.7	30.5	36.7	27.1	27.1	33.2	23.9	22.0	21.5	26.1
using a personal computer	2.2	2.0	1.5	2.7	2.1	1.8	2.1	2.6	3.3	3.6	0.4
partying	13.5	12.9	8.0	18.5	10.1	7.5	15.0	11.9	11.1	10.1	21.3
working (for pay)	36.4	37.8	26.1	39.8	34.4	35.3	38.3	30.9	50.3	50.8	45.5
volunteer work	2.0	2.0	2.4	1.9	1.9	0.6	0.7	4.7	2.2	2.3	0.9
student clubs/groups	2.7	2.0	3.2	3.5	2.4	2.0	2.5	2.9	2.6	2.8	1.4
watching TV	10.2	7.3	6.2	14.7	9.5	8.8	11.1	9.8	15.6	14.6	25.3
religious services/meetings	0.9	0.3	0.2	0.3	2.5	4.2	0.5	0.6	3.4	3.7	1.0
hobbies	8.0	6.2	4.0	12.0	6.5	5.9	8.4	6.7	14.3	14.9	8.0

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
None											
attending classes/lab sessions..	2.1	3.0	2.1	1.8	1.3	0.7	2.0	2.0	2.6	1.6	12.5
studying/doing homework.....	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.0
socializing with friends.....	0.3	0.2	0.0	0.5	0.4	0.7	0.3	0.0	0.7	0.8	0.0
talk with faculty outside class.	11.4	15.8	10.7	12.0	5.6	5.4	8.1	4.5	9.3	9.9	3.2
exercising/sports.....	3.0	2.5	1.3	2.6	4.8	6.2	4.1	3.0	8.5	9.3	0.3
reading for pleasure.....	22.9	24.9	20.4	21.6	23.1	21.0	25.8	25.3	30.0	29.7	33.1
using a personal computer.....	35.2	33.9	27.6	36.9	37.1	37.1	35.6	37.9	41.6	41.2	45.2
partying.....	12.2	8.4	12.9	13.2	15.4	18.4	7.5	14.3	17.1	17.9	9.3
working (for pay).....	39.8	40.7	44.3	41.8	34.4	34.0	32.3	36.2	31.6	32.8	19.5
volunteer work.....	66.5	71.9	60.1	70.0	58.1	55.3	56.1	64.0	73.1	72.9	74.7
student clubs/groups.....	45.1	49.5	40.3	47.5	38.7	35.8	39.3	43.5	59.7	59.4	62.2
watching TV.....	9.1	7.8	12.0	9.7	9.0	11.6	6.2	6.1	8.0	8.5	3.6
commuting to campus.....	55.2	50.4	64.5	51.1	62.8	62.1	54.2	68.4	26.2	24.4	45.0
religious services/meetings.....	56.3	66.7	46.3	53.6	50.9	54.8	39.0	50.5	56.0	56.7	49.0
hobbies.....	20.3	20.1	25.7	23.8	14.2	14.2	12.0	15.6	18.5	18.1	23.1
Six or More											
attending classes/lab sessions..	87.7	87.8	92.9	85.3	88.6	87.7	85.7	91.8	83.4	85.5	62.7
studying/doing homework.....	71.8	72.7	85.4	62.6	77.1	78.4	74.7	76.0	67.2	66.3	76.1
socializing with friends.....	81.7	87.4	89.3	73.1	82.5	80.1	83.9	86.0	67.9	65.9	87.2
talk with faculty outside class.	1.4	1.0	1.1	1.6	1.9	2.2	1.5	1.7	3.4	3.1	7.0
exercising/sports.....	40.1	36.4	44.8	41.9	40.6	34.2	45.8	48.8	32.6	32.3	35.4
reading for pleasure.....	6.3	4.7	6.4	8.2	5.9	7.0	4.4	4.7	8.1	8.1	8.4
using a personal computer.....	12.2	12.1	14.3	11.5	12.6	16.2	10.9	7.2	10.9	11.5	4.1
partying.....	36.1	43.7	32.0	31.3	34.1	32.1	39.2	34.7	26.1	26.9	18.9
working (for pay).....	49.0	46.7	44.9	49.2	53.0	53.0	54.8	52.1	58.3	57.6	65.5
volunteer work.....	2.7	2.0	2.1	2.6	4.0	3.1	5.6	4.5	3.7	3.3	7.5
student clubs/groups.....	10.8	12.5	12.4	10.2	9.0	9.0	8.4	9.2	4.8	5.1	1.4
watching TV.....	30.6	32.5	25.5	31.8	28.6	25.0	29.7	34.1	34.6	34.1	40.4
commuting to campus.....	6.5	5.2	7.9	7.8	6.1	4.7	6.5	8.3	20.0	21.1	9.8
religious services/meetings.....	2.1	1.4	4.5	0.8	3.6	3.7	4.2	2.9	1.0	1.0	1.2
hobbies.....	15.1	17.3	10.1	14.6	15.0	15.7	15.7	13.3	17.8	18.4	11.7
Sixteen or More											
attending classes/lab sessions..	44.2	43.2	49.0	41.5	47.0	47.2	37.1	52.1	51.3	53.8	26.3
studying/doing homework.....	25.8	25.1	36.4	22.6	27.0	30.0	25.2	22.6	19.5	20.0	15.3
socializing with friends.....	36.5	40.5	36.2	31.7	37.5	36.1	33.4	42.0	26.7	26.6	27.0
talk with faculty outside class.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
exercising/sports.....	9.7	8.2	10.1	11.0	9.6	9.1	10.1	10.1	6.5	6.5	5.9
reading for pleasure.....	0.8	0.4	0.6	0.9	1.2	1.3	0.8	1.2	0.7	0.8	0.0
using a personal computer.....	2.5	2.4	2.7	2.8	2.3	2.8	2.6	1.2	3.7	3.8	2.2
partying.....	10.3	11.6	6.2	12.1	8.0	6.3	9.8	10.0	7.1	7.4	4.4
working (for pay).....	26.3	24.6	19.6	33.3	21.7	19.5	23.3	24.5	38.8	38.6	40.8
volunteer work.....	0.5	0.5	0.0	0.9	0.1	0.0	0.3	0.0	1.6	1.6	2.0
student clubs/groups.....	2.2	3.7	1.8	2.1	0.8	0.7	1.1	0.7	1.5	1.7	0.0
watching TV.....	6.5	5.6	2.5	10.0	4.7	3.4	4.3	7.0	10.4	10.4	10.1
commuting to campus.....	0.5	0.3	0.7	0.8	0.4	0.5	0.5	0.2	2.1	1.9	3.8
religious services/meetings.....	0.2	0.3	0.6	0.0	0.3	0.5	0.3	0.0	0.0	0.0	0.0
hobbies.....	2.9	2.9	0.4	2.7	4.0	3.5	4.4	4.6	5.5	5.8	2.1

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986 (7)											
artist (including performer)	7.8	5.3	3.5	8.7	11.3	14.9	5.2	8.2	6.2	4.0	25.5
businessman	28.1	26.0	24.8	30.0	29.2	23.4	33.5	36.8	20.1	20.6	15.7
clergy or religious worker	0.8	0.2	0.2	0.0	2.9	3.7	3.2	1.3	0.0	0.0	0.3
college teacher	0.8	0.5	1.1	1.0	0.9	1.2	0.6	0.5	0.2	0.2	0.0
doctor (MD or DDS)	5.5	7.8	10.1	1.9	5.6	5.8	4.6	5.8	2.6	2.7	1.0
education (secondary)	2.9	1.5	1.8	3.7	3.9	3.4	3.4	4.9	0.8	0.7	1.9
education (elementary)	0.6	0.2	0.0	0.9	0.8	0.4	0.0	1.9	0.8	0.7	1.2
engineer	13.9	20.6	19.7	11.1	7.8	11.3	7.1	2.2	22.1	24.3	2.2
farmer or forester	1.0	1.8	0.0	1.2	0.3	0.5	0.2	0.1	2.5	2.8	0.0
health professional (non-M.D.)	2.7	2.0	1.0	3.8	2.8	2.9	1.5	3.2	1.0	1.0	0.7
lawyer	4.8	5.3	9.7	2.0	5.9	5.6	9.4	4.6	1.7	1.7	2.1
nurse	0.1	0.0	0.0	0.1	0.2	0.0	1.1	0.0	0.0	0.0	0.0
scientific researcher	2.4	3.1	2.6	1.2	3.0	2.9	1.3	4.0	0.8	0.9	0.0
other choice	18.2	15.0	13.1	25.3	14.7	14.1	17.0	14.7	31.9	31.9	31.5
undecided	10.4	10.9	12.5	9.1	10.9	9.9	11.8	12.0	9.3	8.4	17.8
Probable Career in 1988 (7)											
artist (including performer)	7.7	7.9	3.7	7.6	9.1	13.0	3.0	5.7	2.5	2.5	2.5
businessman	28.0	30.4	30.4	24.8	28.7	24.7	34.7	32.2	24.5	22.9	41.1
clergy or religious worker	1.1	0.4	0.9	0.1	3.4	4.3	2.4	2.3	0.2	0.0	1.8
college teacher	1.0	1.0	1.2	0.6	1.6	2.0	0.3	1.7	1.1	1.2	0.4
doctor (MD or DDS)	3.9	5.7	8.5	1.3	3.5	3.5	4.3	3.1	0.7	0.6	0.8
education (secondary)	4.1	2.4	3.8	4.7	5.6	3.6	5.7	9.2	6.2	6.3	4.5
education (elementary)	1.1	1.1	0.0	1.5	1.1	1.2	0.0	1.4	1.0	0.9	2.0
engineer	9.9	13.5	15.4	8.1	5.6	7.9	3.8	2.8	18.9	20.3	4.3
farmer or forester	0.8	1.1	0.0	0.6	0.9	1.1	1.3	0.3	2.4	2.5	0.9
health professional (non-M.D.)	2.1	1.4	1.6	3.1	1.8	2.2	1.5	1.5	2.1	2.2	0.4
lawyer	6.8	6.6	10.0	5.9	7.0	9.1	6.5	3.8	3.4	3.6	1.3
nurse	0.3	0.0	0.0	0.8	0.1	0.0	0.8	0.0	0.3	0.4	0.0
scientific researcher	2.0	2.4	1.6	1.5	2.2	2.2	1.1	2.9	0.3	0.3	0.0
other choice	25.1	20.3	16.7	33.9	22.2	18.1	25.9	27.3	33.0	32.8	35.4
undecided	6.0	5.7	6.1	5.6	7.1	7.2	8.7	5.9	3.4	3.3	4.5
Reasons Noted as Very Important or Essential for Choosing Career											
can make contribution to society	54.3	44.9	60.2	59.9	56.2	52.5	57.2	62.1	52.0	50.1	72.8
enjoy working w/people in field	66.2	62.8	61.0	70.9	66.0	66.0	63.5	67.1	63.9	63.2	71.0
job opportunities available	65.4	67.0	56.7	69.9	61.1	56.1	65.9	67.1	81.2	81.5	78.4
oppty for freedom of action	63.6	63.9	64.6	60.0	67.5	69.1	64.0	66.6	63.2	63.1	63.3
oppty for rapid career advancmnt	53.5	53.3	49.9	57.2	50.5	47.5	52.2	54.7	62.2	61.5	69.4
pays well	63.3	67.5	62.0	64.9	56.9	54.6	63.8	57.3	72.1	71.9	73.4
satisfies parent's hopes	13.2	13.1	11.8	15.1	11.6	12.6	11.9	9.7	16.8	15.3	32.7
work is challenging	75.5	75.8	78.3	75.2	74.3	74.1	71.8	75.8	73.0	71.9	85.4
work is interesting	91.6	90.0	94.8	91.0	93.0	94.7	85.4	94.2	91.4	91.1	94.6

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1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (7)											
agriculture	2.2	3.0	0.0	3.5	0.4	0.3	0.0	0.7	6.3	6.9	0.4
biological sciences	4.0	5.4	3.0	2.3	5.0	5.2	2.1	6.1	4.9	4.8	6.8
business	29.0	28.9	24.8	31.6	27.4	18.1	39.0	36.8	17.5	17.6	16.1
education	3.8	1.8	0.6	5.8	5.0	3.8	4.8	7.0	2.8	2.8	3.3
engineering	16.9	21.2	23.0	18.3	8.3	10.0	8.2	5.4	22.9	24.5	5.9
English	0.8	0.6	2.3	0.5	1.0	1.1	1.4	0.6	0.3	0.3	0.4
health professional	4.9	5.5	7.5	3.9	4.6	3.8	6.0	5.2	1.9	2.0	1.5
history or political science	4.8	4.4	9.0	3.0	6.0	6.0	5.9	5.8	1.2	1.1	2.2
humanities	1.6	1.4	1.6	0.5	3.4	3.8	3.5	2.6	2.2	2.4	0.9
fine arts	4.6	3.5	2.4	2.6	9.1	14.5	1.6	4.2	5.4	3.1	29.9
mathematics or statistics	1.0	0.7	1.4	0.7	1.4	1.8	0.8	0.9	0.8	0.8	0.0
physical sciences	3.2	3.8	4.2	1.8	3.9	4.4	2.8	3.7	1.5	1.6	0.4
social sciences	3.4	2.6	4.6	2.4	5.3	5.3	5.1	5.4	0.9	1.0	0.3
other technical	6.5	5.2	5.6	8.2	6.3	8.9	4.3	3.0	14.6	15.3	7.5
other non-technical	7.1	5.5	3.3	10.1	6.6	7.1	8.6	4.8	12.6	12.0	18.5
undecided	6.0	6.5	6.9	5.0	6.5	5.9	6.0	7.8	4.2	4.0	6.0
Major Noted in 1988 (7)											
agriculture	1.4	2.8	0.0	0.7	0.9	0.9	1.3	0.7	3.3	3.4	2.1
biological sciences	4.5	4.9	4.6	4.0	4.5	3.8	4.9	5.6	1.6	1.8	0.4
business	26.6	26.3	20.9	27.3	28.3	22.4	34.0	35.5	25.2	24.4	33.7
education	4.0	2.6	1.2	5.5	4.9	3.9	4.0	7.0	4.3	4.0	6.9
engineering	11.7	14.9	18.9	10.9	6.2	7.5	4.1	5.0	18.0	19.5	3.3
English	2.0	2.2	2.2	0.8	3.3	2.3	6.3	3.4	0.5	0.6	0.0
health professional	2.4	2.7	3.5	2.8	1.4	0.8	3.5	1.5	1.8	1.9	0.7
history or political science	9.1	7.9	15.8	8.4	9.1	9.2	10.4	8.4	1.6	1.7	0.3
humanities	2.9	2.5	3.8	0.8	5.9	7.2	4.5	4.2	1.9	1.4	6.4
fine arts	6.3	4.2	3.0	6.4	9.9	14.2	3.2	5.9	3.5	3.1	7.8
mathematics or statistics	1.5	1.4	1.4	1.7	1.4	1.5	0.8	1.4	0.8	0.8	0.0
physical sciences	2.6	3.1	3.9	1.2	3.4	3.8	2.0	3.4	0.5	0.5	0.0
social sciences	7.1	7.6	8.7	4.3	9.5	9.8	7.1	10.1	2.6	2.5	3.3
other technical	7.5	5.5	3.8	13.2	4.1	4.6	5.2	2.6	17.1	17.9	8.7
other non-technical	8.2	10.0	6.1	9.2	5.6	6.6	6.7	3.4	16.3	15.6	22.8
undecided	2.2	1.5	2.3	3.0	1.8	1.5	2.2	2.0	1.0	0.7	3.5
Religious Preference in 1986 (8)											
Protestant	29.5	29.9	24.7	27.0	34.1	32.3	8.5	50.5	28.5	28.3	30.7
Roman Catholic	32.6	31.1	45.0	33.9	28.4	22.0	73.4	15.7	39.2	39.6	35.4
Jewish	4.3	5.3	4.9	3.6	4.0	6.4	0.4	1.8	1.8	2.0	0.0
other	19.0	14.7	14.3	23.1	20.6	23.2	8.7	22.5	14.9	13.4	29.5
none	14.4	19.0	11.1	12.4	12.9	16.0	9.0	9.5	15.6	16.7	4.4
Religious Preference in 1988 (7)											
Protestant	41.3	37.0	36.4	44.9	43.7	40.4	16.9	63.4	42.0	39.1	70.0
Roman Catholic	34.6	33.0	44.4	36.7	30.4	25.7	69.0	18.0	37.1	39.7	11.0
Jewish	3.3	5.6	3.5	0.8	3.7	6.4	0.3	0.7	1.7	1.9	0.0
other	4.7	4.1	1.2	5.2	6.0	8.1	2.2	4.4	6.4	6.0	9.6
none	16.1	20.3	14.6	12.4	16.3	19.4	11.6	13.5	12.9	13.2	9.4

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1986											
accountant or actuary	5.6	5.3	3.3	7.2	4.6	3.8	7.7	4.6	4.1	4.1	4.4
actor or entertainer	1.4	1.2	1.0	1.4	1.7	1.8	1.6	1.5	1.3	1.1	3.1
architect	1.2	2.0	1.2	0.4	1.4	0.7	0.5	3.1	4.2	3.5	9.7
artist	2.9	0.4	0.7	4.2	4.8	8.1	0.0	1.6	1.0	0.9	2.3
business (clerical)	0.2	0.0	0.8	0.0	0.5	0.3	0.6	0.8	0.4	0.4	0.0
business (management)	16.5	16.3	18.3	15.6	17.0	11.9	15.6	26.6	9.2	9.7	5.2
business owner or proprietor	4.3	3.5	2.8	5.1	4.7	3.1	8.2	5.5	4.8	4.6	6.2
business sales rep or buyer	1.7	0.9	0.3	2.1	2.8	4.6	2.1	0.2	2.0	2.2	0.0
clergy (minister,priest)	0.7	0.0	0.2	0.0	2.6	3.6	2.9	0.6	0.0	0.0	0.3
clergy (other religious)	0.1	0.2	0.0	0.0	0.3	0.1	0.2	0.7	0.0	0.0	0.0
clinical psychologist	0.9	0.8	0.1	0.5	1.7	1.6	1.2	2.3	0.2	0.2	0.0
college teacher	0.8	0.5	1.1	1.0	0.9	1.2	0.6	0.5	0.2	0.2	0.0
computer programmer	4.6	3.6	2.3	7.2	3.5	4.7	3.4	1.6	5.2	5.4	2.8
conservationist or forester	0.2	0.4	0.0	0.1	0.0	0.1	0.0	0.0	2.2	2.5	0.0
dentist (incl orthodontist)	1.0	1.5	0.6	0.9	0.7	1.1	0.3	0.2	0.1	0.2	0.0
dietitian or home economist	0.1	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0
engineer	13.9	20.6	19.7	11.1	7.8	11.3	7.1	2.2	22.1	24.3	2.2
farmer or rancher	0.9	1.4	0.0	1.1	0.3	0.4	0.2	0.1	0.3	0.3	0.0
foreign service worker	0.7	0.6	1.9	0.1	1.2	1.1	1.6	1.1	0.1	0.2	0.0
homemaker	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
interior decorator	0.1	0.0	0.0	0.1	0.2	0.5	0.0	0.0	1.2	0.0	12.3
intepreter (translator)	0.3	0.5	0.0	0.0	0.5	0.7	0.0	0.4	0.1	0.0	0.8
lab technician or hygienist	0.2	0.2	0.3	0.2	0.2	0.4	0.0	0.0	0.5	0.6	0.0
law enforcement officer	1.0	0.9	0.2	0.7	1.8	1.7	5.3	0.0	1.4	1.4	1.1
lawyer	4.8	5.3	9.7	2.0	5.9	5.6	9.4	4.6	1.7	1.7	2.1
military service (career)	3.7	2.1	1.9	8.0	0.7	0.4	2.6	0.0	3.5	3.4	3.9
musician (performer,composer)	1.3	1.1	0.7	1.3	1.9	2.4	0.9	1.7	1.5	1.3	3.3
nurse	0.1	0.0	0.0	0.1	0.2	0.0	1.1	0.0	0.0	0.0	0.0
optometrist	0.3	0.1	0.0	0.5	0.1	0.0	0.0	0.5	0.0	0.0	0.0
pharmacist	0.7	0.9	0.7	0.4	1.0	1.2	0.0	1.0	0.4	0.4	0.5
physician	4.5	6.2	9.4	1.1	4.9	4.8	4.3	5.6	2.4	2.6	1.0
school counselor	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
school principal	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	2.4	3.1	2.6	1.2	3.0	2.9	1.3	4.0	0.8	0.9	0.0
social worker	0.2	0.1	0.6	0.2	0.1	0.3	0.0	0.0	1.5	1.7	0.0
statistician	0.3	0.1	0.0	0.5	0.3	0.3	0.0	0.3	0.2	0.2	0.0
therapist (phys,occup,speech)	1.1	0.3	0.0	2.3	0.9	0.4	1.3	1.7	0.0	0.0	0.2
teacher (elementary)	0.6	0.2	0.0	0.9	0.8	0.4	0.0	1.9	0.8	0.7	1.2
teacher (secondary)	2.8	1.3	1.8	3.5	3.9	3.4	3.4	4.9	0.8	0.7	1.9
veterinarian	0.3	0.4	0.0	0.3	0.2	0.3	0.3	0.0	0.0	0.0	0.0
writer or journalist	2.1	2.5	1.2	1.7	2.6	2.2	2.7	3.4	1.1	0.8	4.4
skilled trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	8.2	3.0
other	5.1	4.4	4.2	7.6	3.1	2.2	1.8	5.2	7.5	7.2	10.3
undecided	10.4	10.9	12.5	9.1	10.9	9.9	11.8	12.0	9.3	8.4	17.8

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1988											
accountant or actuary	6.0	4.1	8.3	7.4	5.6	5.2	9.1	4.1	4.3	4.4	3.8
actor or entertainer	0.8	0.8	1.3	0.7	0.6	0.4	1.1	0.5	0.5	0.5	0.0
architect	1.3	2.0	1.6	0.4	1.6	0.7	0.7	3.8	1.4	1.4	0.9
artist	3.3	1.2	0.8	4.5	5.4	9.1	0.0	1.8	0.3	0.2	0.7
business (clerical)	0.1	0.3	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
business (management)	16.1	17.9	18.5	12.7	17.7	15.5	17.5	21.5	15.7	14.8	25.6
business owner or proprietor	4.6	6.4	3.4	3.4	4.5	3.5	7.3	4.6	2.5	1.9	8.6
business sales rep or buyer	1.3	2.0	0.2	1.3	0.9	0.5	0.7	1.9	2.0	1.9	3.2
clergy (minister,priest)	0.8	0.2	0.6	0.1	2.7	3.6	2.4	1.3	0.2	0.0	1.8
clergy (other religious)	0.3	0.2	0.3	0.0	0.6	0.6	0.0	1.0	0.0	0.0	0.0
clinical psychologist	1.1	0.5	0.7	0.5	2.7	2.1	2.9	3.7	0.4	0.4	0.7
college teacher	1.0	1.0	1.2	0.6	1.6	2.0	0.3	1.7	1.1	1.2	0.4
computer programmer	5.1	3.6	2.8	8.6	2.8	3.3	3.4	1.8	3.0	3.1	2.4
conservationist or forester	0.6	0.7	0.0	0.5	0.8	1.1	1.3	0.0	2.0	2.1	0.9
dentist (incl orthodontist)	0.6	1.1	0.4	0.6	0.2	0.1	0.3	0.3	0.0	0.0	0.0
dietitian or home economist	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
engineer	9.9	13.5	15.4	8.1	5.6	7.9	3.8	2.8	18.9	20.3	4.3
farmer or rancher	0.2	0.5	0.0	0.2	0.1	0.0	0.0	0.3	0.3	0.4	0.0
foreign service worker	1.3	1.1	3.0	0.4	2.2	2.1	2.3	2.2	0.4	0.4	0.9
homemaker	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
interior decorator	0.2	0.5	0.0	0.0	0.2	0.3	0.0	0.0	0.1	0.0	0.6
intepreter (translator)	0.2	0.0	0.0	0.6	0.1	0.3	0.0	0.0	0.0	0.0	0.0
lab technician or hygienist	0.5	0.4	0.0	0.6	0.5	1.0	0.0	0.0	0.5	0.6	0.0
law enforcement officer	2.2	1.7	0.5	3.7	1.5	2.1	1.8	0.2	2.9	2.0	13.2
lawyer	6.8	6.6	10.0	5.9	7.0	9.1	6.5	3.8	3.4	3.6	1.3
military service (career)	4.6	1.8	3.6	9.7	1.3	1.4	2.3	0.7	0.2	0.2	0.4
musician (performer,composer)	0.9	1.3	0.7	0.6	1.0	1.2	0.0	1.4	0.3	0.2	1.2
nurse	0.3	0.0	0.0	0.8	0.1	0.0	0.8	0.0	0.3	0.4	0.0
optometrist	0.2	0.1	0.2	0.4	0.1	0.2	0.0	0.2	0.2	0.2	0.0
pharmacist	0.5	0.5	0.6	0.3	0.7	0.7	1.1	0.5	0.8	0.8	0.0
physician	3.3	4.6	8.0	0.7	3.4	3.4	3.9	2.9	0.7	0.6	0.8
school counselor	0.2	0.0	0.0	0.4	0.1	0.0	0.4	0.0	0.0	0.0	0.4
school principal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	2.0	2.4	1.6	1.5	2.2	2.2	1.1	2.9	0.3	0.3	0.0
social worker	0.7	0.2	0.2	0.7	1.6	1.4	0.4	2.8	0.4	0.4	0.0
statistician	0.3	0.6	0.0	0.1	0.6	0.0	3.1	0.1	0.2	0.2	0.0
therapist (phys,occup,speech)	0.8	0.4	0.8	1.6	0.3	0.0	0.4	0.6	0.7	0.7	0.4
teacher (elementary)	1.1	1.1	0.0	1.5	1.1	1.2	0.0	1.4	1.0	0.9	2.0
teacher (secondary)	3.9	2.4	3.8	4.2	5.6	3.6	5.4	9.2	6.1	6.3	4.1
veterinarian	0.2	0.1	0.0	0.2	0.2	0.3	0.0	0.2	0.0	0.0	0.0
writer or journalist	2.5	4.1	1.0	1.8	1.9	1.9	1.9	1.9	1.4	1.6	0.0
skilled trades	1.0	1.3	0.0	1.0	1.0	0.6	0.0	2.2	11.4	11.8	7.2
other	7.1	7.2	4.0	8.2	6.6	4.2	8.8	9.8	12.6	12.9	9.7
undecided	6.0	5.7	6.1	5.6	7.1	7.2	8.7	5.9	3.4	3.3	4.5

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1986 (disaggregated)											
ARTS AND HUMANITIES											
arts	2.3	0.8	0.7	1.3	6.0	10.5	0.0	1.6	2.4	1.2	15.1
English	0.8	0.6	2.3	0.5	1.0	1.1	1.4	0.6	0.3	0.3	0.4
history	0.9	0.5	1.9	0.8	1.3	1.3	0.7	1.6	0.2	0.0	1.7
journalism	1.4	2.2	0.4	1.1	1.2	1.2	1.9	0.8	0.7	0.3	4.5
language or literature	0.4	0.4	0.1	0.1	0.8	0.5	0.2	1.5	0.2	0.3	0.0
music	1.4	0.8	0.9	1.0	2.9	3.6	0.9	2.6	0.6	0.2	4.9
philosophy	0.3	0.4	0.2	0.0	0.6	0.7	1.9	0.0	0.0	0.0	0.0
speech	0.2	0.4	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0
theater or drama	0.5	0.2	0.8	0.2	0.9	1.4	0.8	0.1	0.8	0.7	0.9
theology or religion	0.2	0.2	0.0	0.0	0.6	0.5	0.6	0.7	0.3	0.3	0.0
other humanities	0.3	0.3	0.4	0.1	0.5	0.7	0.0	0.3	1.0	1.1	0.0
BIOLOGICAL SCIENCES											
general biology	2.1	2.0	1.5	1.7	3.0	2.7	2.1	3.9	1.5	1.6	0.9
biochemistry or biophysics	0.5	1.1	0.6	0.1	0.4	0.5	0.0	0.4	0.4	0.5	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
marine (life) science	0.5	0.4	0.4	0.5	0.8	1.0	0.0	1.0	1.6	1.2	5.8
microbiology or bacteriology	0.3	0.9	0.3	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
zoology	0.2	0.3	0.0	0.0	0.5	0.7	0.0	0.6	0.2	0.2	0.0
other biological sciences	0.3	0.8	0.2	0.0	0.2	0.4	0.0	0.0	0.9	1.0	0.0
BUSINESS											
accounting	6.3	5.0	6.5	8.1	5.4	4.1	10.7	4.8	4.2	4.0	6.2
business administration	7.7	5.5	6.2	7.6	10.9	5.3	13.4	18.7	4.6	4.5	5.7
finance	4.8	4.9	6.4	6.6	1.8	1.1	2.8	2.3	0.6	0.7	0.0
marketing	2.6	4.7	0.9	1.5	2.3	0.8	4.3	3.8	1.8	2.0	0.0
management	6.4	6.2	3.9	7.3	6.6	6.6	6.5	6.6	4.5	4.6	3.7
secretarial studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other business	1.2	2.6	0.9	0.4	0.5	0.3	1.2	0.6	1.7	1.8	0.5
EDUCATION											
business education	0.3	0.0	0.0	0.6	0.4	0.0	2.6	0.0	0.3	0.4	0.0
elementary education	0.6	0.3	0.0	0.8	0.8	0.4	0.0	1.9	0.4	0.3	1.3
music or art education	0.3	0.5	0.0	0.4	0.2	0.0	0.4	0.4	0.0	0.0	0.0
physical education or recreation	1.0	0.6	0.2	1.9	0.8	0.1	0.5	2.3	1.2	1.2	1.3
secondary education	1.5	0.3	0.1	2.1	2.5	3.3	1.4	1.8	0.6	0.6	0.7
special education	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other education	0.1	0.2	0.2	0.1	0.2	0.0	0.0	0.5	0.3	0.3	0.0
ENGINEERING											
aeronautical/astronautical eng.	3.9	4.6	3.6	5.7	1.0	1.7	0.6	0.0	3.9	4.1	1.6
civil engineering	1.7	1.8	2.1	2.7	0.3	0.2	1.4	0.0	1.6	1.6	0.8
chemical engineering	0.7	0.9	1.6	0.5	0.3	0.2	0.9	0.3	0.6	0.6	0.7
electrical engineering	5.2	8.1	7.1	3.8	3.1	4.3	2.6	1.3	10.5	11.4	1.7
industrial engineering	0.5	0.7	0.0	0.5	0.4	0.3	0.2	0.7	1.0	1.1	0.0
mechanical engineering	2.9	2.7	4.7	2.7	2.7	2.9	1.8	2.9	2.8	3.0	0.6
other engineering	2.1	2.5	4.0	2.5	0.4	0.5	0.8	0.2	2.5	2.7	0.5

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1986 (continued)											
PHYSICAL SCIENCES											
astronomy	0.2	0.5	0.0	0.2	0.1	0.2	0.0	0.0	0.3	0.4	0.0
atmospheric science	0.0	0.0	0.2	0.0	0.1	0.0	0.7	0.0	0.2	0.3	0.0
chemistry	1.3	1.5	0.9	0.7	1.8	2.1	1.3	1.5	0.6	0.7	0.4
earth science	0.3	0.3	0.0	0.2	0.4	0.2	0.5	0.8	0.0	0.0	0.0
marine science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	0.8	0.7	1.2	0.6	1.2	1.5	0.8	0.9	0.8	0.8	0.0
physics	1.2	1.1	2.7	0.7	1.5	1.9	0.4	1.4	0.3	0.3	0.0
statistics	0.1	0.1	0.2	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.0
other physical sciences	0.1	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.7	1.6	0.8	0.2	0.2	0.3	0.5	0.0	2.4	1.7	9.9
home economics	0.1	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0
health technology	0.8	1.1	0.4	0.3	1.3	2.0	0.7	0.3	0.8	0.8	0.7
library science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	0.1	0.0	0.0	0.2	0.2	0.0	1.1	0.0	0.0	0.0	0.0
pharmacy	0.4	0.4	0.2	0.3	0.4	0.4	0.2	0.7	0.4	0.4	0.0
premed,predent,prevet	3.4	4.5	7.3	1.3	3.1	3.0	3.4	3.0	1.6	1.6	1.3
therapy	1.1	0.5	0.0	2.1	0.9	0.4	1.3	1.5	0.0	0.0	0.2
other professional	0.6	0.4	0.0	0.8	0.6	0.5	1.5	0.3	1.6	1.5	2.9
SOCIAL SCIENCES											
anthropology	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
economics	0.9	0.7	3.0	0.1	1.5	1.9	1.2	0.9	0.0	0.0	0.3
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.1	0.0	0.0	0.3	0.1	0.0	0.8	0.0	0.0	0.0	0.0
political science	3.9	3.9	7.1	2.2	4.7	4.8	5.2	4.2	1.0	1.1	0.5
psychology	1.8	1.2	1.4	1.6	2.7	2.7	2.0	3.1	0.6	0.6	0.0
social work	0.1	0.1	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0
sociology	0.3	0.1	0.2	0.2	0.5	0.2	0.0	1.4	0.0	0.0	0.0
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.1	0.2	0.0	0.0	0.2	0.1	1.0	0.0	0.3	0.3	0.0
OTHER TECHINCAL											
building trades	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	2.0	2.2	0.0
data processing	1.7	1.2	0.5	2.0	2.2	3.5	0.9	0.8	3.2	3.3	3.0
drafting or design	0.6	0.7	1.8	0.0	0.9	1.0	0.8	0.6	3.9	4.3	0.5
electronics	0.6	0.0	0.5	1.5	0.1	0.1	0.0	0.0	0.9	1.0	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.6	0.0
other technical	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.3	1.1	3.2
OTHER											
agriculture	1.9	2.5	0.0	3.4	0.0	0.0	0.0	0.0	3.9	4.3	0.4
communications	3.1	1.6	1.6	5.9	1.9	1.5	1.0	3.0	2.0	1.6	6.3
computer science	2.8	2.2	2.5	4.2	1.8	2.2	1.9	1.2	2.9	3.2	0.0
forestry	0.3	0.6	0.0	0.1	0.4	0.3	0.0	0.7	2.4	2.6	0.0
law enforcement	1.3	1.0	1.3	1.3	1.7	2.0	4.0	0.0	2.1	2.1	2.3
military science	0.1	0.0	0.0	0.2	0.1	0.2	0.0	0.0	2.6	2.9	0.0
other fields	0.5	0.2	0.0	0.7	0.9	1.2	0.2	0.7	1.5	1.4	2.1
undecided	6.0	6.5	6.9	5.0	6.5	5.9	6.0	7.8	4.2	4.0	6.6

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (disaggregated)											
ARTS AND HUMANITIES											
arts	4.1	1.5	1.3	5.1	6.9	10.7	1.4	3.0	1.6	1.4	4.1
English	2.0	2.2	2.2	0.8	3.3	2.3	6.3	3.4	0.5	0.6	0.0
history	3.2	2.3	5.5	2.7	4.0	4.7	3.9	2.8	0.0	0.0	0.3
journalism	1.5	2.2	1.6	1.4	0.6	0.8	0.0	0.6	1.3	1.4	0.0
language or literature	0.4	0.1	0.5	0.1	1.3	1.5	0.7	1.2	0.1	0.0	0.7
music	1.2	0.9	0.4	0.8	2.3	2.7	0.0	2.7	0.6	0.3	3.4
philosophy	0.7	0.4	1.9	0.3	1.0	0.7	2.4	0.9	0.0	0.0	0.0
speech	0.1	0.2	0.2	0.0	0.3	0.1	1.4	0.0	0.3	0.3	0.0
theater or drama	0.8	1.0	0.6	0.4	1.0	1.2	1.3	0.6	0.9	1.0	0.0
theology or religion	0.5	0.1	0.0	0.0	1.9	2.8	0.0	1.3	0.1	0.0	1.6
other humanities	0.5	0.9	0.8	0.1	0.6	1.0	0.2	0.2	0.8	0.4	4.2
BIOLOGICAL SCIENCES											
general biology	2.8	2.7	2.3	2.8	3.1	2.0	4.3	4.4	0.8	0.9	0.4
biochemistry or biophysics	0.5	0.9	1.0	0.1	0.4	0.2	0.2	0.8	0.2	0.2	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
marine (life) science	0.3	0.1	0.0	0.5	0.3	0.5	0.0	0.0	0.0	0.0	0.0
microbiology or bacteriology	0.2	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
zoology	0.2	0.3	0.0	0.4	0.1	0.0	0.0	0.2	0.0	0.0	0.0
other biological sciences	0.4	0.4	0.6	0.2	0.7	1.1	0.3	0.1	0.6	0.6	0.0
BUSINESS											
accounting	6.7	4.5	8.1	7.7	7.4	6.4	8.1	8.7	4.3	4.3	4.0
business administration	8.0	6.2	4.3	9.3	9.8	6.6	12.7	13.7	10.2	10.2	10.3
finance	3.7	5.3	4.6	2.8	2.7	2.0	4.4	3.1	0.8	0.8	0.6
marketing	2.4	3.4	1.2	2.2	1.7	1.3	1.0	2.8	2.3	2.6	0.0
management	4.6	5.0	1.6	4.2	5.9	5.7	6.6	5.8	6.4	5.3	18.1
secretarial studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other business	1.2	1.7	1.0	1.1	0.8	0.4	1.2	1.4	1.2	1.2	0.6
EDUCATION											
business education	0.1	0.0	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0
elementary education	0.8	0.2	0.0	1.3	1.0	1.0	0.0	1.6	0.4	0.3	1.8
music or art education	0.2	0.0	0.1	0.3	0.4	0.5	0.0	0.4	0.2	0.2	0.4
physical education or recreation	1.1	1.2	0.0	0.8	1.6	0.0	3.2	3.6	1.7	1.5	3.8
secondary education	1.8	1.2	1.0	2.7	1.6	2.0	0.8	1.4	2.0	2.1	0.9
special education	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other education	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENGINEERING											
aeronautical/astronautical eng	1.2	1.6	0.8	1.6	0.4	0.6	0.3	0.0	1.2	1.2	1.0
civil engineering	2.0	2.2	2.7	2.9	0.3	0.4	0.9	0.0	2.2	2.5	0.0
chemical engineering	0.6	1.2	0.9	0.0	0.4	0.7	0.0	0.2	0.5	0.5	0.7
electrical engineering	3.1	4.4	5.6	2.2	1.9	2.7	0.5	1.3	8.5	9.3	0.0
industrial engineering	0.4	0.7	0.2	0.2	0.2	0.4	0.0	0.0	0.7	0.6	1.1
mechanical engineering	3.1	2.9	6.3	2.6	2.6	2.3	1.7	3.5	2.5	2.7	0.5
other engineering	1.4	2.0	2.4	1.4	0.3	0.3	0.7	0.0	2.5	2.7	0.0

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MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (continued)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0
atmospheric science	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	1.1	1.6	1.3	0.3	1.6	1.6	1.5	1.7	0.1	0.1	0.0
earth science	0.3	0.3	0.1	0.4	0.4	0.3	0.0	0.7	0.0	0.0	0.0
marine science	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
mathematics	1.4	1.2	1.1	1.7	1.3	1.4	0.8	1.4	0.6	0.6	0.0
physics	0.9	0.9	1.9	0.3	1.3	1.7	0.5	1.0	0.0	0.0	0.0
statistics	0.1	0.2	0.4	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.0
other physical sciences	0.1	0.1	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.9	1.7	1.1	0.5	0.4	0.6	0.4	0.1	1.0	1.1	0.3
home economics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
health technology	0.4	0.3	0.8	0.2	0.5	0.9	0.3	0.0	0.8	0.8	0.7
library science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	0.1	0.0	0.0	0.3	0.1	0.0	0.8	0.0	0.3	0.3	0.0
pharmacy	0.2	0.3	0.6	0.2	0.2	0.2	0.6	0.0	0.7	0.8	0.0
premed,predent,prevet	1.5	2.2	2.9	0.7	0.9	0.6	1.7	1.2	0.3	0.2	0.3
therapy	0.6	0.2	0.0	1.6	0.2	0.0	0.4	0.3	0.6	0.6	0.4
other professional	0.6	0.6	1.3	0.7	0.2	0.1	0.0	0.5	0.9	0.9	0.7
SOCIAL SCIENCES											
anthropology	0.1	0.2	0.2	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0
economics	2.1	3.3	4.7	0.5	1.9	2.6	1.2	0.9	0.1	0.0	0.6
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
geography	0.2	0.1	0.2	0.4	0.2	0.0	0.0	0.6	0.0	0.0	0.1
political science	5.9	5.5	10.2	5.7	5.1	4.4	6.5	5.6	1.6	1.7	0.0
psychology	3.1	3.1	2.5	2.0	4.6	4.3	4.0	5.5	1.9	1.9	1.8
social work	0.2	0.0	0.0	0.0	0.8	0.0	0.2	2.4	0.3	0.3	0.3
sociology	1.0	0.4	1.0	1.1	1.4	2.1	0.9	0.3	0.2	0.1	0.4
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.4	0.5	0.2	0.2	0.4	0.6	0.7	0.0	0.1	0.2	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.1	0.0
data processing	1.6	0.6	0.9	2.7	1.8	2.3	1.1	1.2	1.4	1.5	1.1
drafting or design	0.6	1.5	0.5	0.4	0.0	0.0	0.0	0.0	3.3	3.6	0.0
electronics	1.2	0.3	0.0	3.1	0.4	0.0	0.4	1.0	1.1	1.2	0.0
mechanics	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	5.8	6.4	0.0
other technical	0.2	0.0	0.0	0.6	0.0	0.0	0.0	0.0	2.4	2.1	5.9
OTHER											
agriculture	1.0	2.2	0.0	0.4	0.6	0.7	0.0	0.7	1.3	1.4	0.4
communications	3.0	3.9	1.2	3.7	1.7	1.5	3.0	1.2	2.6	2.1	7.8
computer science	3.4	2.8	1.6	6.1	1.4	1.4	3.4	0.4	2.2	2.4	1.0
forestry	0.4	0.6	0.0	0.3	0.3	0.2	1.3	0.0	2.0	2.0	1.7
law enforcement	1.6	1.3	0.5	2.2	1.6	2.6	1.7	0.0	5.5	4.8	12.2
military science	0.6	0.4	0.3	1.0	0.3	0.5	0.2	0.2	0.0	0.0	0.0
other fields	1.0	1.6	1.2	0.3	1.2	1.2	1.8	0.9	3.2	3.3	2.1
undecided	2.2	1.5	2.3	3.0	1.8	1.5	2.2	2.0	1.0	0.7	3.5

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Studying/Doing Homework											
none	3.2	3.1	2.2	4.6	1.7	2.7	1.0	0.5	2.1	2.1	1.2
1 - 2	20.0	19.4	13.7	25.0	16.7	15.5	15.9	19.3	23.4	22.0	38.4
3 - 5	30.9	35.7	27.6	31.1	26.6	24.8	28.3	28.7	34.7	35.3	28.7
6 - 10	25.1	23.1	26.5	23.1	29.1	29.7	30.1	27.7	27.4	28.1	21.2
11 - 15	12.3	10.9	15.7	9.8	15.8	17.6	14.8	13.2	8.1	8.1	7.7
16 - 20	5.3	4.6	10.1	3.8	6.3	5.2	7.9	7.3	2.9	3.1	0.9
21 - 30	2.2	2.2	3.1	1.2	3.1	3.8	1.4	2.8	1.1	1.1	1.5
more than 30	1.1	1.0	1.2	1.3	0.7	0.7	0.7	0.6	0.3	0.3	0.3
Socializing with Friends											
none	0.3	0.2	0.2	0.4	0.4	0.6	0.0	0.4	0.5	0.6	0.0
1 - 2	2.8	2.6	3.9	1.6	4.0	4.4	3.7	3.4	3.3	3.3	2.8
3 - 5	12.2	11.8	11.0	11.8	13.7	14.0	11.0	14.8	10.8	10.7	11.8
6 - 10	20.2	19.2	25.8	19.2	20.4	20.9	23.4	18.1	21.6	22.6	11.3
11 - 15	20.7	24.7	25.1	18.0	17.7	15.8	21.2	19.1	22.1	22.7	15.3
16 - 20	18.4	20.2	13.6	16.4	20.5	21.4	19.9	19.2	19.4	18.5	28.4
21 - 30	11.6	10.3	11.7	13.1	11.0	10.0	11.9	12.3	10.5	9.4	21.3
more than 30	13.9	11.0	8.7	19.4	12.3	13.0	8.9	12.8	11.9	12.1	9.1
Talk with Faculty Outside Class											
none	20.0	21.2	13.7	25.0	14.7	15.8	12.5	14.1	23.2	24.0	15.0
1 - 2	55.2	59.0	58.0	52.3	53.2	53.6	51.4	53.5	53.2	52.3	61.5
3 - 5	15.9	12.0	20.9	14.3	20.5	21.1	26.4	16.2	13.8	14.0	12.5
6 - 10	5.4	5.2	5.1	5.6	5.6	4.0	7.1	7.3	6.4	6.0	10.0
11 - 15	2.2	0.6	1.4	1.8	4.9	4.4	1.8	7.5	1.5	1.6	0.4
16 - 20	1.0	1.6	0.0	0.9	0.6	0.6	0.7	0.5	0.1	0.1	0.0
21 - 30	0.1	0.0	0.7	0.0	0.1	0.1	0.2	0.0	0.9	1.0	0.0
more than 30	0.3	0.4	0.2	0.0	0.5	0.4	0.0	0.7	0.9	0.9	0.6
Exercising/Sports											
none	4.1	3.6	2.2	3.6	5.9	6.1	6.1	5.5	5.9	5.9	5.8
1 - 2	11.3	11.0	9.6	12.2	11.1	12.5	8.0	10.5	13.1	12.7	17.8
3 - 5	14.8	16.5	14.4	11.3	17.4	20.0	14.9	14.3	25.5	26.2	18.5
6 - 10	20.7	23.0	22.8	19.4	19.1	17.7	18.3	21.9	15.6	15.5	16.2
11 - 15	19.2	21.3	20.5	16.8	19.3	16.6	19.5	23.8	18.0	18.2	15.6
16 - 20	12.6	11.5	12.8	12.5	14.0	15.9	10.5	12.6	12.4	13.0	7.0
21 - 30	6.6	4.3	11.2	7.3	6.7	6.8	12.3	3.6	5.8	6.1	3.0
more than 30	10.6	8.9	6.6	16.9	6.4	4.4	10.4	7.7	3.7	2.4	16.1
Using a Personal Computer											
none	43.3	39.0	50.9	44.1	44.6	45.1	42.6	44.9	49.7	51.3	34.6
1 - 2	28.7	30.0	26.1	30.2	26.4	25.5	32.7	24.6	26.4	25.2	38.0
3 - 5	15.6	16.0	13.7	13.1	18.9	19.2	11.8	22.1	11.9	11.7	14.2
6 - 10	7.4	9.7	6.3	7.8	4.7	4.2	6.2	4.8	7.0	6.6	11.0
11 - 15	2.7	3.2	1.5	2.2	3.2	4.1	4.7	1.1	1.6	1.6	1.7
16 - 20	1.3	1.4	1.5	1.5	0.8	0.3	0.7	1.7	2.6	2.8	0.0
21 - 30	0.3	0.2	0.0	0.2	0.5	0.7	0.8	0.2	0.5	0.6	0.0
more than 30	0.6	0.4	0.0	0.9	0.7	0.8	0.7	0.7	0.2	0.2	0.4

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MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Partying											
none	15.6	13.6	17.0	13.7	19.9	20.6	10.2	23.7	19.0	18.8	21.9
1 - 2	18.6	16.9	21.4	19.9	17.8	17.3	19.8	17.7	16.1	16.6	11.4
3 - 5	24.6	24.8	25.9	24.5	24.0	22.8	29.2	23.5	25.2	25.5	22.1
6 - 10	18.7	23.2	19.7	14.4	18.5	20.0	17.4	16.5	14.6	14.5	15.6
11 - 15	8.9	8.5	8.0	8.9	9.6	11.7	8.5	6.8	14.0	14.6	7.7
16 - 20	5.7	4.3	5.0	7.6	5.4	3.9	8.0	6.7	5.0	4.5	10.5
21 - 30	3.0	4.3	2.0	2.3	2.6	2.7	6.2	0.5	1.8	1.8	1.7
more than 30	4.9	4.4	1.0	8.7	2.1	1.0	0.8	4.7	4.2	3.8	9.0
Working (for Pay)											
none	27.7	27.9	36.5	23.5	29.5	28.7	27.6	32.0	18.6	18.0	24.4
1 - 2	6.6	4.4	7.6	8.8	6.0	5.9	3.5	7.6	4.6	5.0	0.5
3 - 5	7.3	5.5	8.0	7.1	9.3	8.5	7.2	11.6	4.8	4.7	5.8
6 - 10	9.9	9.7	8.4	10.1	10.4	10.4	11.0	10.3	12.0	11.9	13.5
11 - 15	12.1	14.6	13.5	10.7	10.3	11.2	12.4	7.7	9.7	9.6	10.3
16 - 20	16.4	16.1	10.6	20.5	13.9	13.1	15.8	14.1	16.8	17.6	9.0
21 - 30	12.3	12.9	11.4	11.7	12.6	14.5	14.1	8.4	16.8	16.0	24.1
more than 30	7.7	8.7	4.0	7.6	8.0	7.7	8.3	8.5	16.8	17.3	12.3
Volunteer Work											
none	54.2	59.6	43.9	58.7	46.1	49.1	47.8	40.0	59.2	58.2	69.9
1 - 2	28.4	28.8	36.4	24.0	30.5	28.7	27.5	35.3	25.9	26.3	20.9
3 - 5	10.6	6.1	12.7	11.6	13.9	13.6	14.2	14.1	8.6	8.7	7.2
6 - 10	3.7	2.7	4.2	2.9	5.6	5.2	6.9	5.5	1.5	1.6	0.4
11 - 15	1.1	0.7	0.3	1.0	2.0	2.7	3.0	0.3	2.7	2.9	0.7
16 - 20	0.8	0.0	0.9	1.4	1.0	0.2	0.3	2.8	1.8	2.0	0.3
21 - 30	0.2	0.0	0.5	0.2	0.2	0.2	0.4	0.1	0.2	0.2	0.0
more than 30	1.0	2.0	1.1	0.3	0.7	0.2	0.0	1.8	0.2	0.2	0.6
Student Clubs/Groups											
none	37.0	35.7	25.9	43.6	34.5	36.1	37.4	30.1	51.7	53.5	32.5
1 - 2	29.6	32.7	30.7	27.0	28.8	29.3	20.5	32.3	23.8	23.6	25.2
3 - 5	18.1	17.4	23.5	15.4	20.2	20.3	21.8	19.2	14.4	12.2	37.9
6 - 10	8.5	7.3	7.8	7.7	11.0	9.7	12.8	12.5	5.5	5.7	3.0
11 - 15	4.1	4.8	8.9	2.8	3.1	2.6	4.9	2.9	2.0	2.2	0.0
16 - 20	1.6	1.3	1.9	1.9	1.3	1.2	0.2	2.0	2.0	2.1	0.0
21 - 30	0.4	0.0	0.0	0.9	0.4	0.5	1.0	0.0	0.0	0.0	0.0
more than 30	0.8	0.8	1.3	0.7	0.7	0.3	1.4	0.9	0.7	0.6	1.4
Watching TV											
none	5.8	4.5	6.1	6.5	6.3	8.5	7.1	2.3	4.1	4.3	1.5
1 - 2	21.9	21.0	25.3	21.1	22.7	24.3	20.6	21.1	17.5	17.6	16.6
3 - 5	28.7	30.3	34.9	25.3	28.9	26.6	36.4	28.8	25.2	25.6	21.0
6 - 10	23.4	25.4	20.5	23.7	21.8	20.6	18.2	25.8	25.6	25.3	28.6
11 - 15	9.9	11.5	7.0	8.7	10.8	11.3	6.7	12.2	12.1	12.6	7.0
16 - 20	5.0	5.6	2.7	4.8	5.5	5.6	8.7	3.7	7.9	6.8	18.7
21 - 30	2.5	1.0	2.5	4.0	2.3	1.1	0.8	5.0	5.9	5.9	6.3
more than 30	2.7	0.7	1.0	5.9	1.7	2.0	1.6	1.1	1.8	1.9	0.3

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1986)											
Religious Services/Meetings											
none	34.4	41.0	29.8	30.6	33.4	40.5	23.6	26.1	37.9	38.3	34.0
1 - 2	48.2	48.1	48.8	51.4	44.3	37.2	62.2	47.3	47.0	47.5	41.6
3 - 5	12.5	8.3	15.7	13.8	14.5	14.0	10.9	17.4	8.8	7.6	20.7
6 - 10	3.3	1.9	4.9	3.1	4.5	3.4	2.8	7.5	2.9	2.9	2.6
11 - 15	0.7	0.5	0.7	0.9	0.8	0.8	0.0	1.1	0.0	0.0	0.0
16 - 20	0.2	0.1	0.2	0.0	0.6	1.0	0.3	0.0	0.0	0.0	0.0
21 - 30	0.4	0.0	0.0	0.0	1.5	2.9	0.0	0.0	0.9	0.9	0.7
more than 30	0.2	0.2	0.0	0.3	0.4	0.3	0.2	0.6	2.6	2.8	0.3
Hobbies											
none	9.3	10.2	10.3	10.4	6.3	6.4	7.0	5.8	6.6	6.6	6.3
1 - 2	24.3	23.1	31.6	23.1	24.5	23.0	25.8	26.6	20.7	21.5	12.8
3 - 5	30.6	30.6	31.8	28.5	32.8	34.1	28.6	32.7	34.1	32.9	46.0
6 - 10	18.7	19.3	16.6	17.0	20.7	20.5	22.6	20.2	15.5	15.8	12.5
11 - 15	9.2	10.6	5.8	8.9	9.1	10.1	7.6	8.1	8.9	8.3	14.5
16 - 20	4.2	3.9	2.5	5.7	3.5	2.8	4.8	4.2	4.2	4.4	2.4
21 - 30	1.3	1.4	0.8	1.6	0.9	0.8	1.7	0.6	2.9	2.9	3.4
more than 30	2.5	1.0	0.7	4.7	2.1	2.3	1.9	1.8	7.1	7.6	2.1

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1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Attending Classes/Lab Sessions											
none	2.1	3.0	2.1	1.8	1.3	0.7	2.0	2.0	2.6	1.6	12.5
less than one	1.4	1.3	0.5	2.7	0.4	0.2	1.6	0.0	2.4	2.5	1.5
1 - 2	3.1	1.6	1.7	4.7	3.2	4.4	3.3	1.2	4.6	4.6	4.5
3 - 5	5.7	6.3	2.8	5.5	6.5	7.0	7.4	5.0	7.0	5.8	18.8
6 - 10	10.0	7.7	7.8	13.1	9.7	9.2	10.5	9.9	10.2	9.4	18.1
11 - 15	33.5	36.9	36.1	30.7	31.9	31.3	38.0	29.7	21.9	22.2	18.3
16 - 20	29.3	33.4	35.8	22.5	30.6	27.5	23.0	39.9	25.2	26.3	14.1
more than 20	14.9	9.8	13.2	19.0	16.5	19.6	14.1	12.2	26.2	27.6	12.2
Studying/Doing Homework											
none	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.0
less than one	1.5	0.4	0.8	3.6	0.6	0.5	0.0	1.0	2.4	2.2	3.8
1 - 2	6.7	5.2	1.2	11.8	4.2	4.9	6.8	1.5	7.3	7.1	9.0
3 - 5	19.9	21.5	12.5	21.8	18.2	16.2	18.5	21.5	22.7	23.8	11.1
6 - 10	28.5	30.3	27.4	26.9	28.7	26.2	27.8	33.5	29.3	28.2	40.9
11 - 15	17.5	17.4	21.6	13.1	21.4	22.2	21.7	19.9	18.4	18.2	19.8
16 - 20	11.8	12.0	16.5	10.3	11.8	12.1	11.3	11.4	8.3	8.0	11.4
more than 20	14.0	13.1	19.9	12.3	15.2	17.9	13.9	11.2	11.3	12.0	4.0
Socializing with Friends											
none	0.3	0.2	0.0	0.5	0.4	0.7	0.3	0.0	0.7	0.8	0.0
less than one	0.9	0.8	0.2	1.3	0.8	0.5	0.5	1.4	2.0	2.2	0.0
1 - 2	3.4	2.1	1.9	4.7	3.9	4.1	3.5	3.6	7.8	8.1	4.8
3 - 5	13.7	9.5	8.7	20.5	12.5	14.7	11.8	9.0	21.6	23.0	8.0
6 - 10	25.5	24.0	27.5	27.4	24.4	24.5	28.4	22.2	25.5	26.5	16.0
11 - 15	19.7	22.9	25.6	13.9	20.6	19.5	22.1	21.7	15.7	12.8	44.2
16 - 20	13.7	15.2	12.8	11.3	14.9	15.4	12.4	15.2	9.8	8.5	21.9
more than 20	22.8	25.2	23.3	20.4	22.6	20.7	21.0	26.9	16.9	18.1	5.1
Talk with Faculty Outside Class											
none	11.4	15.8	10.7	12.0	5.6	5.4	8.1	4.5	9.3	9.9	3.2
less than one	49.7	55.4	52.0	52.2	39.0	36.2	42.2	42.2	42.0	42.4	37.8
1 - 2	29.0	24.4	30.6	25.5	38.2	36.6	38.1	40.8	32.9	32.4	37.8
3 - 5	8.5	3.5	5.5	8.7	15.2	19.4	10.0	10.8	12.3	12.1	14.1
6 - 10	1.3	1.0	0.9	1.5	1.7	1.9	0.9	1.7	3.2	2.8	7.0
11 - 15	0.1	0.0	0.3	0.1	0.3	0.3	0.6	0.0	0.0	0.0	0.0
16 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
more than 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exercising/Sports											
none	3.0	2.5	1.3	2.6	4.8	6.2	4.1	3.0	8.5	9.3	0.3
less than one	9.3	7.9	8.2	11.5	8.6	9.1	7.3	8.4	11.5	10.7	19.2
1 - 2	19.2	22.8	13.8	15.2	21.8	24.1	20.5	18.5	20.4	20.2	23.0
3 - 5	28.4	30.4	31.9	28.8	24.2	26.4	22.3	21.3	27.0	27.5	22.1
6 - 10	20.1	22.8	26.7	17.6	17.8	14.9	16.3	23.6	15.1	15.3	13.0
11 - 15	10.3	5.4	7.9	13.3	13.2	10.1	19.4	15.1	11.0	10.5	16.6
16 - 20	3.8	2.2	4.9	4.2	4.7	4.5	5.4	4.8	2.6	2.5	3.8
more than 20	5.9	6.0	5.2	6.8	4.9	4.6	4.7	5.3	3.8	4.0	2.1

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Reading for Pleasure											
none	22.9	24.9	20.4	21.6	23.1	21.0	25.8	25.3	30.0	29.7	33.1
less than one	28.9	27.7	30.2	30.8	27.5	26.5	28.2	28.9	27.4	27.5	26.4
1 - 2	26.6	29.4	30.6	25.0	23.7	23.1	23.3	25.0	21.2	21.1	22.5
3 - 5	15.3	13.4	12.5	14.4	19.8	22.5	18.3	16.0	13.3	13.6	9.6
6 - 10	3.4	3.2	4.5	2.9	4.0	5.1	2.9	2.6	5.6	5.3	8.4
11 - 15	2.0	1.0	1.2	4.4	0.7	0.5	0.7	1.0	1.8	2.0	0.0
16 - 20	0.5	0.4	0.2	0.5	0.7	0.4	0.6	1.2	0.5	0.6	0.0
more than 20	0.3	0.1	0.4	0.4	0.5	0.9	0.3	0.0	0.2	0.3	0.0
Using a Personal Computer											
none	35.2	33.9	27.6	36.9	37.1	37.1	35.6	37.9	41.6	41.2	45.2
less than one	19.7	18.5	21.6	20.2	20.0	15.6	25.6	24.4	19.6	19.8	17.7
1 - 2	17.7	19.5	21.2	17.1	15.0	13.5	15.7	17.3	15.6	16.0	11.1
3 - 5	15.2	16.0	15.4	14.3	15.3	17.5	12.2	13.2	12.3	11.4	21.9
6 - 10	7.5	7.0	9.4	7.3	7.7	9.7	6.3	4.9	5.0	5.3	1.6
11 - 15	2.2	2.7	2.2	1.4	2.6	3.7	2.0	1.0	2.2	2.4	0.3
16 - 20	0.5	0.3	0.8	0.6	0.5	0.6	1.0	0.2	1.3	1.4	0.0
more than 20	2.0	2.0	1.9	2.2	1.8	2.2	1.6	1.0	2.4	2.4	2.2
Partying											
none	12.2	8.4	12.9	13.2	15.4	18.4	7.5	14.3	17.1	17.9	9.3
less than one	8.9	7.7	8.6	9.2	10.0	10.8	7.5	9.8	12.1	11.5	18.1
1 - 2	15.0	15.0	14.6	15.9	14.0	11.5	19.0	15.7	22.2	21.1	33.6
3 - 5	27.9	25.2	31.9	30.4	26.6	27.2	26.7	25.5	22.5	22.7	20.0
6 - 10	18.1	20.0	20.3	13.1	21.0	21.0	21.4	20.6	15.8	16.3	10.1
11 - 15	7.7	12.1	5.6	6.1	5.1	4.8	8.0	4.1	3.2	3.1	4.4
16 - 20	3.3	4.3	1.0	3.3	2.8	3.0	4.3	1.8	2.7	2.5	4.3
more than 20	7.0	7.3	5.2	8.8	5.2	3.4	5.5	8.1	4.5	4.9	0.1
Working (for Pay)											
none	39.8	40.7	44.3	41.8	34.4	34.0	32.3	36.2	31.6	32.8	19.5
less than one	3.2	4.7	1.8	2.1	3.2	3.5	3.2	2.9	1.4	1.3	2.7
1 - 2	2.3	1.9	3.4	1.5	3.2	3.7	2.5	2.8	4.3	4.2	5.4
3 - 5	5.7	5.9	5.6	5.2	6.1	5.8	7.2	6.1	4.4	4.1	6.9
6 - 10	12.1	10.6	14.2	9.0	16.9	16.6	14.0	19.0	10.5	10.3	12.6
11 - 15	10.7	11.5	11.1	7.0	14.4	16.9	17.4	8.6	9.0	8.7	12.1
16 - 20	9.1	9.5	7.4	8.9	9.5	7.5	13.1	11.0	12.5	13.2	5.8
more than 20	17.2	15.2	12.2	24.4	12.2	12.0	10.3	13.6	26.3	25.4	35.0
Volunteer Work											
none	66.5	71.9	60.1	70.0	58.1	55.3	56.1	64.0	73.1	72.9	74.7
less than one	12.9	11.1	17.6	10.5	16.6	20.0	15.8	11.3	11.6	11.8	9.5
1 - 2	12.5	10.1	14.9	12.6	14.4	14.2	13.1	15.5	7.1	7.2	6.0
3 - 5	5.3	4.9	5.5	4.4	7.0	7.5	9.5	4.8	4.5	4.8	2.3
6 - 10	1.6	1.1	0.8	1.2	2.9	2.3	4.1	3.3	1.5	1.4	1.8
11 - 15	0.6	0.3	1.3	0.5	1.0	0.8	1.1	1.2	0.6	0.3	3.6
16 - 20	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.5	0.0
more than 20	0.4	0.5	0.0	0.8	0.1	0.0	0.3	0.0	1.2	1.1	2.0

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON (Reported in 1988)											
Student Clubs/Groups											
none	45.1	49.5	40.3	47.5	38.7	35.8	39.3	43.5	59.7	59.4	62.2
less than one	12.4	9.7	13.7	13.2	14.4	16.6	18.3	8.4	10.8	11.1	8.4
1 - 2	20.0	18.2	19.4	20.4	21.9	21.9	23.7	20.9	16.6	16.3	18.9
3 - 5	11.6	10.1	14.2	8.8	16.0	16.6	10.4	18.0	8.1	8.0	9.1
6 - 10	5.9	6.6	8.3	3.9	6.8	7.1	5.6	6.9	2.8	2.9	1.1
11 - 15	2.7	2.2	2.3	4.3	1.4	1.2	1.7	1.6	0.5	0.5	0.4
16 - 20	0.9	1.7	0.6	0.8	0.1	0.0	0.2	0.1	0.5	0.5	0.0
more than 20	1.3	2.0	1.2	1.3	0.6	0.6	0.9	0.6	1.1	1.2	0.0
Watching TV											
none	9.1	7.8	12.0	9.7	9.0	11.6	6.2	6.1	8.0	8.5	3.6
less than one	14.4	10.5	18.1	15.8	16.0	17.6	14.4	14.2	10.5	10.4	11.3
1 - 2	19.3	22.4	21.6	16.7	18.0	17.5	20.4	17.6	23.1	24.2	12.1
3 - 5	26.6	26.8	22.8	26.0	28.4	28.3	29.3	28.0	23.8	22.8	32.6
6 - 10	16.7	17.8	18.2	15.7	16.0	13.9	19.4	17.9	18.2	18.5	15.3
11 - 15	7.4	9.1	4.8	6.1	7.9	7.7	6.0	9.2	6.1	5.2	15.0
16 - 20	3.5	3.4	0.9	5.7	2.0	1.7	1.4	2.9	4.3	4.0	7.4
more than 20	2.9	2.2	1.6	4.3	2.7	1.7	2.9	4.1	6.0	6.4	2.7
Commuting to Campus											
none	55.2	50.4	64.5	51.1	62.8	62.1	54.2	68.4	26.2	24.4	45.0
less than one	13.6	15.1	10.6	13.4	13.2	14.7	12.8	10.9	16.0	15.3	22.9
1 - 2	13.5	15.5	10.7	15.1	10.1	9.4	15.1	8.6	13.5	14.2	6.0
3 - 5	11.1	13.8	6.4	12.6	7.8	9.1	11.3	3.9	24.2	25.0	16.4
6 - 10	5.5	4.7	6.7	6.7	4.6	3.0	5.1	7.1	16.6	17.7	5.2
11 - 15	0.5	0.2	0.5	0.4	1.1	1.2	0.8	1.0	1.4	1.5	0.8
16 - 20	0.3	0.0	0.0	0.7	0.1	0.0	0.5	0.2	0.5	0.6	0.0
more than 20	0.3	0.3	0.7	0.1	0.2	0.5	0.0	0.0	1.5	1.3	3.8
Religious Services/Meetings											
none	56.3	66.7	46.3	53.6	50.9	54.8	39.0	50.5	56.0	56.7	49.0
less than one	15.6	11.4	18.7	19.2	15.1	14.7	21.7	12.2	19.5	19.8	17.5
1 - 2	21.3	17.8	21.2	22.9	23.7	18.8	31.0	28.1	20.8	20.4	25.0
3 - 5	4.6	2.6	9.2	3.5	6.8	7.9	4.1	6.3	2.7	2.2	7.3
6 - 10	1.2	1.2	3.3	0.5	1.4	0.7	2.3	2.3	0.9	1.0	0.0
11 - 15	0.6	0.0	0.6	0.2	1.8	2.6	1.6	0.6	0.1	0.0	1.2
16 - 20	0.1	0.1	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
more than 20	0.1	0.2	0.2	0.0	0.3	0.4	0.3	0.0	0.0	0.0	0.0
Hobbies											
none	20.3	20.1	25.7	23.8	14.2	14.2	12.0	15.6	18.5	18.1	23.1
less than one	20.0	17.7	20.9	20.9	21.4	21.5	17.8	23.2	17.4	16.8	23.5
1 - 2	26.5	26.0	26.9	24.4	29.4	28.5	33.5	28.7	29.6	30.0	25.8
3 - 5	18.1	18.9	16.4	16.3	20.0	20.1	20.9	19.2	16.6	16.6	15.9
6 - 10	9.5	11.7	8.8	9.0	7.6	7.7	9.2	6.6	10.4	10.8	6.4
11 - 15	2.8	2.8	1.0	2.9	3.4	4.5	2.2	2.1	1.9	1.8	3.3
16 - 20	0.8	0.6	0.2	0.8	1.3	1.4	2.6	0.5	2.1	2.2	1.7
more than 20	2.1	2.3	0.2	1.9	2.6	2.1	1.7	4.1	3.3	3.6	0.4

1988 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Religious Preference in 1988											
Baptist	9.6	5.2	2.7	12.5	13.5	15.9	2.7	15.2	8.3	6.5	26.0
Buddhist	1.4	0.8	0.1	2.7	0.8	1.2	0.0	0.5	0.8	0.8	0.8
Congregational	1.0	1.9	0.2	0.5	0.7	0.8	0.0	0.9	1.4	1.4	1.0
Eastern Orthodox	0.5	0.2	1.2	0.9	0.3	0.3	0.0	0.4	0.7	0.7	0.0
Episcopal	3.4	2.0	3.1	5.0	2.9	1.5	2.1	5.9	1.4	1.4	1.6
Hindu	0.1	0.1	0.2	0.2	0.1	0.2	0.0	0.1	0.1	0.2	0.0
Islamic	0.1	0.0	0.3	0.0	0.2	0.3	0.4	0.0	0.0	0.0	0.5
Jewish	3.3	5.6	3.5	0.8	3.7	6.4	0.3	0.7	1.7	1.9	0.0
Latter Day Saints (Mormon)	1.3	0.1	10.0	0.7	0.1	0.2	0.2	0.0	0.0	0.0	0.0
Lutheran	5.7	6.6	3.2	6.8	4.2	2.3	3.6	7.8	6.6	6.5	7.9
Methodist	8.4	9.4	5.9	8.5	7.9	5.3	5.8	13.4	12.3	11.6	18.6
Presbyterian	5.1	7.0	5.0	3.1	5.4	4.1	0.8	10.0	4.6	4.9	1.7
Quaker (Society of Friends)	0.2	0.0	0.0	0.2	0.5	0.9	0.5	0.0	0.3	0.4	0.0
Roman Catholic	34.6	33.0	44.4	36.7	30.4	25.7	69.0	18.0	37.1	39.7	11.0
Seventh Day Adventist	0.2	0.3	0.0	0.0	0.4	0.1	0.0	1.0	0.0	0.0	0.0
other Protestant	6.0	4.2	5.0	6.7	7.7	9.1	1.2	8.6	6.4	5.7	13.4
other religion	3.1	3.3	0.5	2.3	4.9	6.5	1.8	3.8	5.4	5.1	8.3
none	16.1	20.3	14.6	12.4	16.3	19.4	11.6	13.5	12.9	13.2	9.4

Notes:

[1] More than one response was permitted. The total may sum to more than100 percent.

[2] These areas are based on the curriculum recommendations of the National Commission on Excellence in Education.

[3] Students responding "don't know, can't rate" were not included in tabulations.

[4] Students indicating they had not taken time off from college were not included in tabulations.

[5] Responses include "frequently" only, all others include both "frequently" and "occasionally" responses.

[6] This item has been recategorized for reporting purposes from a longer list of response choices shown in Appendix D of this report.

National Normative Data for 1984 Freshmen Four Years After College Entry

115199

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1984	96.8	98.2	99.2	95.0	96.7	95.9	98.8	96.9	87.5	86.4	95.5
1983	1.8	1.0	0.5	3.0	1.3	0.8	0.2	3.0	7.4	8.0	3.0
1982	0.5	0.3	0.2	0.3	1.0	2.0	0.0	0.0	0.9	1.0	0.1
1981 or earlier	0.8	0.5	0.1	1.1	0.8	1.3	0.7	0.0	2.9	3.2	0.5
H.S. equivalency (G.E.D. test)	0.2	0.0	0.0	0.5	0.0	0.0	0.1	0.0	1.3	1.4	0.0
never completed high school	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.1	0.1	0.0	0.8
Age on December 31, 1988											
20 or younger	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
21	2.5	2.5	4.5	1.8	2.9	3.7	2.1	1.8	2.0	1.6	4.5
22	76.3	77.3	81.6	76.3	73.5	74.9	79.1	67.7	67.9	67.0	74.0
23	18.8	18.7	13.6	18.3	21.2	18.8	17.9	27.2	20.8	21.3	16.8
24	0.9	0.4	0.2	0.8	1.7	1.3	0.1	3.2	4.2	4.4	2.9
25-28	1.0	0.4	0.0	2.4	0.1	0.2	0.1	0.0	2.9	3.3	0.5
29-33	0.3	0.2	0.1	0.2	0.5	1.0	0.0	0.0	1.2	1.3	0.0
34-43	0.2	0.4	0.0	0.1	0.1	0.0	0.7	0.0	0.8	0.7	1.3
44-58	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.0
59 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	87.1	93.1	92.2	82.3	85.2	77.5	93.8	93.3	91.8	91.9	91.2
Black/Negro/Afro-American	9.4	3.9	3.3	14.7	10.2	17.2	3.1	2.5	3.8	3.7	4.7
American Indian	0.6	0.0	0.2	1.4	0.5	0.5	0.5	0.7	0.6	0.7	0.4
Asian-American/Oriental	1.9	1.8	2.4	1.9	2.0	3.1	0.4	1.0	1.3	1.3	1.2
Mexican-American/Chicano	0.7	0.5	1.6	0.6	0.9	0.2	1.7	1.6	0.8	0.7	1.9
Puerto Rican-American	0.3	0.1	0.7	0.1	0.5	0.8	0.3	0.0	0.8	0.9	0.0
other	1.3	0.8	1.6	1.3	1.7	1.5	0.8	2.6	1.8	1.9	0.6
Type of High School											
public	80.9	83.2	69.7	86.7	74.4	75.8	58.4	81.3	89.2	89.5	86.7
private (denominational)	14.6	11.8	19.5	11.7	19.7	16.7	38.5	13.8	10.0	9.7	12.5
private (nondenominational)	4.2	4.8	10.4	1.3	5.4	6.6	2.8	5.0	0.6	0.6	0.8
other	0.3	0.2	0.4	0.3	0.5	0.9	0.3	0.0	0.2	0.2	0.0
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	94.6	94.4	97.5	93.3	95.6	96.9	95.4	93.7	94.4	94.7	92.5
mathematics (3 years)	90.4	91.2	96.4	86.9	92.1	95.4	89.1	88.1	78.0	77.9	78.3
foreign language (2 years)	73.1	76.8	89.4	63.7	76.0	81.5	84.7	61.9	54.3	54.3	54.3
physical science (2 years)	55.1	56.3	66.7	50.0	56.5	63.1	51.7	48.6	50.1	51.0	43.4
biological science (2 years)	35.5	34.4	36.5	37.0	34.6	33.8	32.7	37.1	32.2	32.6	28.9
history/Amer govt (1 year)	99.0	99.3	99.7	98.4	99.3	99.5	99.7	98.6	97.9	97.7	99.1
other social studies (1 year)	64.4	62.9	67.9	62.9	66.8	68.7	70.3	61.6	65.6	65.6	65.3
computer science (1/2 year)	55.2	59.3	59.6	52.2	53.1	51.9	59.4	51.5	46.0	47.4	34.9
art or music (1 year)	61.9	56.7	55.6	64.3	66.4	69.2	62.4	64.2	58.5	58.9	54.9

ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	12.4	14.6	26.7	8.9	10.0	10.9	7.7	9.9	4.5	4.4	4.8
A-	13.7	16.2	21.6	10.7	12.4	11.2	13.7	13.7	7.1	7.1	6.9
B+	21.1	24.0	23.9	19.0	20.1	18.8	26.1	18.7	15.3	15.6	13.1
B	23.7	23.5	16.2	25.9	23.4	24.2	23.1	22.1	22.9	23.5	18.4
B-	11.8	11.2	7.1	11.5	14.1	14.1	18.0	11.9	17.6	16.0	28.7
C+	12.1	7.9	4.0	17.4	12.4	12.4	8.6	14.6	21.9	22.8	15.3
C	5.0	2.6	0.5	6.1	7.4	8.1	2.4	9.1	10.4	10.0	12.9
D	0.3	0.0	0.0	0.5	0.3	0.4	0.5	0.0	0.4	0.5	0.0
Average Undergraduate Grade											
A	5.8	5.4	8.7	4.4	7.3	7.6	9.6	5.4	4.1	4.2	3.6
B+,A-	22.8	21.1	31.6	21.7	23.4	21.7	27.4	23.9	16.7	16.1	21.0
B	36.1	38.4	37.2	34.5	35.2	35.0	35.3	35.5	35.0	35.0	34.4
C+,B-	24.7	25.7	16.6	27.5	22.6	23.3	22.5	21.4	29.0	29.6	24.7
C	7.7	6.3	5.4	9.0	8.1	8.1	4.8	10.0	12.4	12.5	11.9
C- or less	2.8	3.1	0.5	2.8	3.4	4.2	0.3	3.8	2.8	2.6	4.3
Degree Aspirations in 1984											
none	0.7	0.8	0.3	0.7	0.6	0.8	0.5	0.4	1.6	1.8	0.6
vocational certificate	0.4	0.0	0.1	0.3	1.0	0.0	0.0	3.4	2.6	2.2	5.3
associate (A.A. or equivalent)	0.8	0.3	0.0	1.3	1.2	0.8	1.3	1.7	14.1	13.3	19.5
bachelor's (B.A., B.S., etc.)	34.9	38.4	19.5	38.8	31.7	29.8	33.4	33.8	44.4	46.0	34.2
master's (M.A., M.S., etc.)	37.0	37.3	34.3	38.3	35.8	37.6	34.2	33.6	21.0	19.6	29.8
Ph.D. or Ed.D.	11.0	10.1	16.0	10.3	11.2	10.7	14.3	10.2	8.0	9.0	1.5
M.D., D.O., D.D.S., D.V.M.	7.5	7.5	15.7	4.9	7.9	8.8	7.7	6.3	3.8	3.8	3.5
J.D. or LL.B. (law)	5.1	3.7	12.7	4.1	5.4	6.0	3.1	5.9	2.1	2.1	2.2
B.D. or M.Div. (divinity)	0.2	0.1	0.2	0.0	0.5	0.1	1.3	0.6	1.3	1.3	1.1
other	2.4	1.9	1.3	1.3	4.8	5.4	4.1	4.2	1.1	0.9	2.1
Highest Degree Earned by 1988											
none	40.2	49.2	22.2	47.3	27.5	22.7	28.2	35.1	32.3	33.2	25.4
vocational certificate	1.9	1.2	1.1	2.1	2.6	4.4	0.4	1.1	9.2	9.5	7.5
associate (A.A. or equivalent)	7.7	6.4	2.7	8.8	9.3	9.6	7.2	10.2	37.0	35.5	48.1
bachelor's (B.A., B.S., etc.)	47.9	42.5	73.8	39.5	56.2	56.3	62.8	52.2	20.8	21.3	17.1
master's (M.A., M.S., etc.)	0.2	0.2	0.0	0.2	0.4	0.2	0.3	1.0	0.0	0.0	0.0
Ph.D. or Ed.D.	0.2	0.0	0.0	0.5	0.2	0.3	0.0	0.0	0.1	0.0	0.8
M.D., D.O., D.D.S., D.V.M.	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J.D. or LL.B. (law)	0.3	0.0	0.0	0.0	1.2	2.1	0.0	0.2	0.0	0.0	0.2
B.D. or M.Div. (divinity)	0.2	0.0	0.1	0.5	0.2	0.4	0.0	0.0	0.0	0.0	0.0
other	1.2	0.6	0.1	1.1	2.3	4.0	1.1	0.2	0.6	0.5	0.8
Degree Aspirations in 1988											
none	2.3	1.9	1.6	3.3	1.8	2.3	2.5	0.7	4.3	4.7	1.4
vocational certificate	0.8	1.0	0.1	1.1	0.4	0.5	0.3	0.3	2.1	1.7	5.5
associate (A.A. or equivalent)	1.5	1.3	0.2	2.3	1.1	0.4	1.9	1.8	12.0	12.0	11.4
bachelor's (B.A., B.S., etc.)	30.2	32.3	16.4	31.8	30.1	26.2	23.5	40.0	37.3	36.6	43.1
master's (M.A., M.S., etc.)	41.1	40.5	40.4	40.9	42.3	46.2	45.2	34.3	30.4	30.7	28.1
Ph.D. or Ed.D.	14.1	14.5	18.5	12.6	14.2	13.6	14.8	14.7	6.9	7.3	3.0
M.D., D.O., D.D.S., D.V.M.	3.1	2.7	7.5	2.3	3.3	3.3	4.0	2.8	3.8	4.1	2.2
J.D. or LL.B. (law)	5.3	4.4	13.6	3.9	5.5	6.5	5.7	3.6	1.5	1.2	3.8
B.D. or M.Div. (divinity)	0.3	0.1	0.1	0.3	0.6	0.2	1.0	0.9	0.3	0.3	0.0
other	1.3	1.2	1.5	1.6	0.9	0.7	1.1	1.0	1.3	1.3	1.5

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College Was Student's											
first choice	69.1	74.0	74.9	64.3	68.2	67.7	69.0	68.6	77.3	77.1	78.2
second choice	23.9	20.3	18.1	27.7	24.6	25.1	22.1	25.1	17.5	18.0	14.2
third choice	5.2	4.1	5.1	5.5	6.0	5.9	7.2	5.3	3.8	3.6	5.6
less than third choice	1.9	1.6	1.9	2.5	1.3	1.3	1.7	1.1	1.4	1.3	2.0
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	64.4	62.3	70.5	63.0	66.4	66.9	70.2	63.4	75.5	76.4	68.9
humanities courses	75.1	75.7	81.3	70.2	78.4	75.9	79.5	82.2	71.6	70.8	77.0
social science courses	69.9	70.6	75.3	66.7	71.5	72.4	66.4	73.0	71.2	71.3	70.6
courses in major field	81.0	82.0	87.0	77.4	82.5	83.2	84.1	80.4	82.7	83.3	77.9
general education requirements	62.1	57.8	72.5	58.1	68.5	69.0	67.8	67.9	63.4	62.3	71.1
relevance of coursework to life	50.1	44.7	57.1	45.4	59.2	58.2	61.0	60.0	56.5	56.3	57.8
overall quality of instruction	71.5	68.4	84.4	66.9	76.6	75.9	76.7	77.7	75.8	75.8	76.3
lab facilities and equipment	60.9	65.0	67.6	59.1	56.8	56.1	59.6	56.2	72.6	72.7	71.3
library facilities	69.9	84.3	71.1	66.2	59.5	58.5	55.3	63.5	78.7	80.3	67.3
computer facilities	68.9	74.1	71.7	68.9	62.9	60.8	62.5	66.9	73.4	75.1	61.1
oppty for interdisciplin courses	53.3	51.6	64.4	48.1	57.7	57.9	54.7	59.3	45.9	45.2	51.4
oppty to talk to professors	74.6	66.7	78.8	72.2	84.1	85.2	83.0	82.9	70.7	69.0	83.2
oppty for extracurr activities	74.7	76.6	78.3	69.9	77.6	77.8	73.2	79.9	69.0	69.3	67.4
campus social life	62.8	74.4	58.9	56.4	59.8	57.9	57.9	64.2	67.5	68.8	58.1
regulations on campus life	41.4	46.3	45.4	38.5	38.9	37.4	41.5	40.1	43.9	44.0	43.1
academic tutoring or assistance	57.6	46.9	55.2	59.3	66.2	64.9	67.7	67.5	64.6	63.8	70.5
academic advising	46.7	38.8	41.2	46.7	56.6	54.3	61.2	57.9	51.3	50.0	61.0
career counseling and advising	46.8	39.4	45.3	47.7	53.5	50.5	57.8	56.4	48.5	47.1	59.3
student housing	52.9	56.8	57.2	43.9	57.8	56.6	58.4	59.4	54.0	52.4	63.2
financial aid services	44.6	39.4	45.8	45.3	48.0	44.4	53.1	51.0	59.8	60.3	56.5
contact with faculty and admin	60.5	47.9	64.6	60.0	72.5	67.3	74.0	80.5	63.4	62.9	66.9
relations with faculty & admin	61.0	51.2	66.3	58.8	71.6	69.0	73.8	74.8	68.4	68.1	70.7
oppty to attend films,concerts	72.2	80.4	74.3	69.0	67.3	67.6	61.0	70.2	67.4	68.4	59.9
job placement services	46.0	49.6	52.1	41.4	46.3	46.9	42.7	47.3	41.5	41.5	41.3
campus health services	54.5	59.8	51.6	56.7	47.3	45.7	47.7	49.9	50.6	51.2	46.8
overall college experience	75.3	75.8	84.1	72.5	75.5	74.6	78.6	75.4	78.2	78.6	75.0
Enroll at Freshman College Again											
definitely yes	31.6	36.1	41.0	23.5	34.3	34.2	32.6	35.5	43.4	44.7	34.4
probably yes	31.9	33.0	33.0	34.0	27.8	29.1	28.4	25.3	30.8	30.5	33.0
don't know	4.4	3.8	4.1	4.2	5.5	7.3	4.7	3.0	2.6	2.2	5.5
probably not	20.2	16.6	14.5	25.5	18.9	16.7	17.2	23.7	13.5	13.6	12.8
definitely not	11.9	10.5	7.4	12.8	13.4	12.7	17.1	12.5	9.8	9.1	14.2
Plans for Fall 1988											
attend college full-time	35.1	43.1	22.3	36.8	28.5	26.0	26.6	34.0	30.8	29.7	38.7
attend college part-time	8.8	7.2	5.0	10.3	9.8	10.8	10.4	7.6	11.7	11.9	10.6
attend graduate school	12.0	11.2	21.7	9.5	13.1	13.0	12.0	14.0	7.3	8.0	2.8
attend vocational program	1.2	1.3	1.0	1.0	1.4	1.4	2.0	1.1	0.6	0.6	0.6
work full-time	50.4	43.8	51.7	50.7	56.5	57.5	61.9	51.6	54.7	54.5	56.1
work part-time	22.1	27.1	17.3	21.7	18.9	16.5	20.7	21.8	21.2	20.9	23.8
serve in Armed Forces	3.1	2.0	2.4	5.4	1.6	2.4	0.7	0.9	3.7	3.9	2.1
travel	5.9	5.5	7.3	5.9	5.8	6.0	8.0	4.3	6.1	6.1	6.4
do volunteer work	6.0	5.2	7.0	5.7	6.8	6.3	6.1	8.1	4.7	4.8	4.0
stay at home	6.7	7.3	4.9	6.7	6.6	6.2	5.7	7.9	8.3	7.5	13.7

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Took Time Off, Withdrew or Transferred											
no	63.4	64.4	80.2	60.7	60.5	63.3	61.9	55.1	55.4	57.6	40.0
transferred	19.5	18.8	10.6	19.1	23.5	19.3	27.8	28.1	21.4	19.9	32.2
withdrew	9.8	8.2	2.8	12.2	10.7	12.3	6.1	10.9	12.7	12.2	16.7
leave of absence	7.2	8.5	6.4	8.0	5.2	5.1	4.3	5.9	10.4	10.3	11.1
Reasons Noted as Very Important for Taking Time Off (4)											
changed career plans	30.5	29.9	23.8	32.2	29.9	35.1	22.7	26.1	28.2	27.9	29.8
couldn't afford college	19.9	18.7	20.8	19.0	21.8	21.1	22.2	22.8	17.2	16.7	19.8
didn't "fit in"	18.5	21.5	19.8	17.2	17.1	13.4	19.9	21.1	10.3	9.7	13.6
family responsibilities	11.2	12.1	8.3	8.6	14.0	11.0	8.4	21.0	16.5	16.7	15.6
had good job offer	10.9	9.8	4.1	12.2	11.4	13.8	7.1	10.1	13.4	11.4	23.6
reconsider goals & interests	44.1	42.0	42.9	44.2	46.0	54.5	37.3	38.1	38.0	36.1	47.4
tired of being student	8.5	9.2	9.3	8.8	7.4	9.0	6.3	5.7	17.8	19.8	8.0
wanted better acad. reputation	17.5	9.7	11.5	18.3	24.6	29.1	16.6	22.0	19.9	20.5	16.6
wanted better social life	14.6	11.9	15.4	12.9	19.3	16.0	18.9	24.3	13.4	14.3	8.8
wanted practical experience	21.1	20.5	13.4	19.3	25.1	23.9	20.3	29.1	21.1	19.4	29.7
wanted to be closer to home	10.7	9.8	14.3	10.3	11.4	8.6	13.4	14.4	13.9	14.3	12.1
wanted wider course selection	20.9	10.8	18.6	22.4	28.9	27.4	37.2	27.0	28.7	28.9	27.8
was bored with course work	15.1	13.8	14.1	16.8	14.5	14.6	16.6	13.1	9.6	10.4	5.5
wasn't doing well academically	24.8	30.8	27.3	22.0	22.2	32.3	11.3	12.9	26.2	28.2	15.9
ENROLLMENT STATUS											
First Year											
attended full-time	98.0	96.8	99.4	98.0	98.9	99.4	98.2	98.3	97.3	97.2	98.0
attended part-time	1.7	2.7	0.6	1.8	1.0	0.5	1.0	1.7	2.4	2.5	1.7
not enrolled	0.3	0.5	0.0	0.2	0.2	0.1	0.7	0.0	0.3	0.3	0.3
Second Year											
attended full-time	90.2	90.7	96.6	86.6	92.0	90.1	94.8	93.7	87.3	88.3	80.1
attended part-time	5.0	6.7	2.2	5.3	3.7	5.3	2.7	1.6	8.4	8.5	8.1
not enrolled	4.8	2.5	1.2	8.1	4.2	4.6	2.4	4.6	4.3	3.2	11.8
Third Year											
attended full-time	84.2	85.1	94.5	80.9	84.1	81.4	90.4	85.2	76.0	77.0	68.8
attended part-time	7.8	8.6	3.1	9.2	6.6	8.2	3.3	5.6	7.3	6.8	10.8
not enrolled	8.0	6.2	2.4	10.0	9.3	10.4	6.4	9.2	16.7	16.2	20.3
Fourth Year											
attended full-time	84.7	87.1	92.6	80.7	84.5	82.1	91.1	84.6	71.5	72.4	65.1
attended part-time	6.0	6.3	3.3	7.3	5.2	5.4	2.9	6.1	7.8	7.4	10.9
not enrolled	9.2	6.6	4.0	12.0	10.4	12.4	6.0	9.3	20.7	20.2	24.0

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Students Reporting Much Stronger Abilities and Skills in 1988											
ability to work independently...	31.3	29.3	32.3	31.0	33.4	37.7	33.5	26.0	31.3	30.7	35.9
acceptance of dif races/cultures	23.6	22.7	24.3	22.5	25.6	25.1	24.9	27.1	22.3	21.8	25.5
committment to specific career..	34.0	34.3	31.9	33.5	35.0	35.5	40.0	31.1	32.6	32.9	29.8
concern about financial security	31.4	32.1	24.7	32.1	31.7	33.2	30.4	29.7	38.1	39.3	30.0
confidence in academic abilities	24.6	24.2	25.3	23.9	25.6	25.8	29.8	22.8	25.1	26.6	14.3
critical thinking ability.....	34.4	32.5	42.5	29.8	39.9	43.8	38.1	34.3	27.4	27.6	26.0
cultural awareness.....	28.5	28.2	34.4	23.2	33.8	36.3	30.7	31.3	21.8	21.3	25.5
foreign language ability.....	7.8	7.4	11.5	6.5	8.5	7.9	7.0	10.3	7.4	8.2	1.5
general knowledge.....	49.9	51.7	56.9	44.5	52.6	53.6	52.5	51.1	46.4	46.6	44.3
interest in grad/prof school....	28.6	28.5	30.9	25.9	31.5	33.0	32.2	28.6	27.8	29.1	18.8
interpersonal skills.....	28.4	27.1	31.9	24.8	33.1	37.5	30.4	27.2	23.7	22.9	29.8
job-related skills.....	35.5	34.7	37.7	34.9	36.3	36.0	39.6	34.9	39.1	39.3	37.5
knowledge of particular field...	62.8	61.9	73.9	58.1	66.3	67.2	65.8	65.0	53.9	54.6	49.0
leadership abilities.....	23.6	21.3	23.8	22.8	26.9	32.2	23.5	20.0	19.5	19.6	18.9
motivation to earn degree.....	40.4	38.5	31.0	43.0	41.9	45.5	41.5	36.2	40.7	41.4	35.0
preparation for grad/prof school	22.3	22.0	32.8	17.2	25.8	26.7	27.4	23.5	16.7	17.4	11.6
problem-solving skills.....	31.4	31.4	35.6	27.8	34.7	38.6	31.9	29.9	28.4	28.5	27.3
religious beliefs & convictions.	8.3	6.8	8.6	6.3	12.3	12.5	12.9	11.7	6.7	6.3	9.6
speaking and writing ability....	26.7	23.7	31.5	26.2	29.0	31.4	31.0	23.8	22.6	23.1	19.5
tolerance of different beliefs..	23.8	23.0	26.1	20.8	27.7	27.0	31.0	27.0	21.2	21.0	22.2
Student Rated Self Above Average or Highest 10% in 1988											
academic ability.....	70.0	75.2	84.8	65.0	66.4	67.9	67.4	63.2	50.0	51.2	41.0
artistic ability.....	28.7	28.2	32.4	27.5	29.8	34.0	27.4	24.2	25.4	25.5	24.6
competitiveness.....	59.3	58.5	67.3	57.9	59.3	58.2	58.6	61.7	49.0	49.0	48.8
drive to achieve.....	69.7	67.4	79.7	68.3	70.7	74.8	68.4	65.2	59.8	59.6	61.3
emotional health.....	63.2	61.5	70.0	61.5	65.2	66.1	65.8	63.2	56.2	55.4	62.5
foreign language ability.....	31.3	31.8	46.5	28.3	30.0	30.6	34.2	26.5	23.0	23.0	22.7
leadership ability.....	63.3	59.7	68.6	62.0	67.2	72.0	63.9	61.0	47.0	46.5	50.6
mathematical ability.....	46.0	47.8	61.6	44.3	41.4	41.3	47.4	38.1	34.5	35.6	26.2
physical health.....	64.0	64.5	66.7	63.0	63.8	65.6	62.7	61.2	59.6	58.3	69.4
popularity.....	50.5	46.4	55.1	49.8	54.1	56.1	51.1	52.6	41.5	41.8	38.9
popularity w/opp sex.....	48.6	46.5	52.7	47.2	51.3	52.5	49.7	50.1	39.5	39.6	38.8
public speaking ability.....	41.9	39.4	49.0	38.9	45.9	49.1	44.7	41.2	28.0	27.9	28.7
self-confidence (intell).....	65.8	66.4	77.4	62.5	66.0	69.9	64.0	60.4	51.5	52.8	42.4
self-confidence (social).....	55.5	51.0	57.0	55.8	59.2	61.0	57.4	57.1	44.6	45.5	38.4
writing ability.....	57.2	57.4	70.1	53.3	57.9	58.6	55.5	58.1	43.9	44.7	38.4
Miles from 1984 Home to College											
5 or less.....	6.0	4.2	3.0	9.0	4.9	4.4	9.4	3.2	12.5	13.1	8.9
6-10.....	7.9	8.1	4.8	7.8	8.6	10.2	8.8	5.9	11.4	11.6	9.8
11-50.....	25.2	19.7	18.1	34.3	21.6	22.1	25.4	18.5	40.6	41.1	36.7
51-100.....	17.5	19.9	10.0	17.6	17.1	17.6	15.8	16.9	13.6	13.6	13.8
101-500.....	33.3	41.2	37.6	25.2	34.0	30.8	28.4	42.7	18.9	17.6	28.1
more than 500.....	10.2	7.0	26.6	6.1	13.8	14.9	12.2	12.9	2.9	2.9	2.9

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (in 1984)											
be elected to student office....	3.5	3.5	5.0	3.4	3.2	3.0	3.1	3.5	1.5	1.4	2.1
be satisfied with college.....	55.7	59.6	67.6	51.0	54.0	54.8	53.9	52.6	52.8	52.4	55.2
change career choice.....	15.2	16.3	19.1	13.5	15.1	13.8	14.1	17.8	6.9	6.5	10.0
change major field.....	15.8	16.2	19.5	14.6	15.7	13.1	17.6	18.9	6.5	6.3	8.2
drop out permanently.....	0.3	0.2	0.5	0.3	0.4	0.4	0.8	0.3	1.4	1.5	0.5
drop out temporarily.....	0.8	0.5	0.2	1.3	0.7	0.9	0.8	0.2	0.9	0.8	1.1
fail one or more courses.....	1.4	1.2	1.4	2.2	0.5	0.3	1.0	0.7	0.8	0.7	1.8
get job to pay expenses.....	41.5	41.8	41.2	42.2	40.3	40.7	42.1	38.6	32.0	32.4	29.5
join social frat or sorority....	20.8	20.4	30.7	17.5	22.0	22.4	16.4	24.6	8.1	8.0	9.4
make at least "B" average.....	43.9	46.4	54.3	40.5	42.4	43.2	45.1	39.5	39.5	40.4	33.2
marry while in college.....	4.4	5.6	2.3	4.1	4.3	4.6	4.9	3.5	4.4	4.1	6.4
participate in student protests.	3.6	3.3	3.8	3.2	4.5	4.8	5.1	3.5	3.4	3.6	2.3
play varsity athletics.....	16.0	9.9	13.5	16.3	22.6	21.0	21.4	26.1	8.7	8.1	13.5
receive individual counseling...	3.8	2.8	3.3	4.8	3.7	2.4	6.1	4.6	2.1	1.5	5.8
receive vocational counseling...	6.3	5.0	6.7	8.3	4.8	4.8	5.4	4.4	6.1	6.8	0.9
transfer to another college.....	9.3	5.9	4.1	12.4	10.5	9.5	11.0	11.9	10.3	9.3	17.2
work at outside job.....	20.5	22.2	13.6	23.6	17.0	13.9	22.0	19.2	17.9	18.1	16.1
work full-time while attending..	2.2	1.8	0.9	3.1	2.0	2.7	2.4	0.6	2.3	2.4	1.3
Events Occurring by 1988											
was elected to student office...	20.4	18.7	21.7	19.5	23.0	21.8	26.1	23.1	14.1	13.0	21.7
satisfied with freshman coll (5)	75.3	75.8	84.1	72.5	75.5	74.6	78.6	75.4	78.2	78.6	75.0
changed career choice (5).....	49.9	52.2	48.2	49.5	48.4	45.7	46.2	54.4	44.3	42.9	54.7
changed major field (5).....	50.4	55.4	47.7	50.2	46.1	47.2	43.3	46.1	42.5	41.5	49.0
dropped out permanently (5).....	9.8	8.2	2.8	12.2	10.7	12.3	6.1	10.9	12.7	12.2	16.7
dropped out temporarily (5).....	7.2	8.5	6.4	8.0	5.2	5.1	4.3	5.9	10.4	10.3	11.1
failed one or more courses.....	43.0	42.9	29.9	50.6	37.7	40.0	28.2	39.2	38.4	38.6	37.1
joined social frat or sorority..	27.5	27.9	41.1	24.4	26.8	23.1	15.7	39.3	13.0	13.0	12.5
made at least "B" average (5)...	64.7	64.9	77.5	60.6	65.9	64.3	72.4	64.8	55.8	55.3	59.0
married while in college.....	7.1	7.3	3.4	8.6	6.2	4.3	6.4	9.1	11.6	10.8	17.0
participated in student protests	15.9	11.6	17.5	17.2	18.2	21.1	11.2	17.4	5.4	4.9	9.3
played intercollegiate sports...	27.9	21.3	28.3	28.0	34.7	32.2	34.9	38.8	17.8	16.8	25.1
received personal counseling....	15.4	15.4	16.8	13.6	17.3	15.8	18.4	19.2	6.6	6.0	11.3
received vocational counseling..	44.1	44.0	49.8	40.8	46.6	46.1	48.2	46.5	38.3	37.3	45.2
transferred before graduating(5)	19.5	18.8	10.6	19.1	23.5	19.3	27.8	28.1	21.4	19.9	32.2
worked full-time while student..	20.3	20.4	11.2	24.1	18.3	19.7	17.9	16.3	18.9	18.1	24.5
worked part-time job off campus.	66.3	68.4	59.1	68.4	63.7	61.3	69.0	64.7	64.1	63.2	70.6
worked part-time job on campus..	47.6	45.8	55.5	42.4	53.6	48.5	54.9	61.7	32.5	32.0	36.2
Other College Activities											
enrolled in honors program.....	36.7	31.8	51.9	36.6	37.4	36.4	43.4	35.7	27.6	27.7	26.2
in college internship program...	25.1	21.3	26.6	23.6	30.4	29.1	37.4	28.4	17.7	16.5	26.8
in study abroad program.....	8.0	6.2	13.9	4.6	12.2	13.9	7.7	11.9	2.7	2.5	4.0
taken reading/study skills class	21.5	15.4	16.2	25.3	24.7	26.0	26.0	21.9	31.0	30.0	38.3
taken remedial/develop. classes.	13.1	8.9	2.9	19.6	12.5	15.4	7.2	10.7	21.9	23.1	13.3
worked in political campaign....	9.7	8.9	15.5	9.8	8.6	8.9	8.3	8.2	4.6	4.5	5.7
worked on prof's research proj..	17.5	18.9	20.8	15.9	17.1	19.6	14.5	14.2	14.6	14.9	12.5

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Past Year Reported in 1984											
attended public recital/concert.	76.9	75.8	81.3	75.3	78.6	77.8	73.5	82.7	68.9	67.0	82.2
didn't complete homework on time	67.4	69.1	65.4	65.8	68.2	63.3	66.3	77.1	62.8	62.3	66.5
drank beer	70.3	73.2	71.9	68.9	68.7	68.8	74.2	65.4	67.9	68.8	61.7
jogged (6)	24.7	22.0	25.7	27.1	24.4	18.0	26.4	33.5	18.9	18.5	21.7
missed school due to illness (6)	4.5	5.5	4.4	3.3	4.9	3.3	4.2	8.0	4.9	4.8	5.8
smoked cigarettes (6)	8.3	6.0	5.3	11.1	8.2	6.2	10.8	9.9	15.3	15.8	12.0
stayed up all night	74.3	75.8	72.8	74.4	73.0	71.6	70.1	77.1	74.0	74.3	71.4
won varsity letter in sports	48.7	48.6	48.6	50.4	46.9	41.0	48.1	55.8	37.5	36.8	42.2
Reported in 1988											
assisted faculty in teaching	20.5	18.0	18.9	20.2	24.0	24.1	23.4	24.2	19.9	19.1	25.0
attended musical recital/concert	74.1	69.4	81.0	72.4	79.1	79.4	73.2	81.9	60.6	59.8	66.1
been guest in professor's home	28.3	22.3	36.0	23.3	38.6	35.7	31.5	47.6	18.4	17.6	23.7
been lonely or homesick (6)	6.8	6.7	8.4	6.8	6.5	5.0	10.5	6.6	13.3	12.9	16.5
cheated on quiz or exam	17.5	16.4	12.0	19.1	18.1	17.5	17.1	19.8	15.5	15.0	19.2
confided in friend about problem	91.6	89.9	91.8	92.4	92.2	92.7	91.7	91.7	86.4	86.6	84.6
copied homework from other stdnt	32.1	33.8	28.5	33.2	29.9	29.7	28.4	31.2	26.3	26.2	27.1
didn't complete homework on time	57.5	59.6	57.6	55.7	57.7	57.4	53.2	60.8	42.6	42.4	44.0
discussed course w/student (6)	61.6	63.5	71.6	57.4	61.9	61.7	61.9	62.2	54.0	54.1	53.5
drank beer	80.3	80.7	83.3	79.8	79.5	77.6	83.1	80.8	74.1	75.2	66.1
drank wine or liquor	82.0	85.1	85.8	78.5	81.9	79.7	86.7	83.0	74.0	74.1	72.8
felt depressed (6)	13.6	12.8	13.1	14.6	13.3	12.6	14.5	13.7	12.0	11.5	15.8
felt like leaving college	39.6	37.7	27.3	44.9	38.5	36.2	34.9	44.3	39.0	38.6	42.2
felt overwhelmed (6)	28.9	29.4	28.1	28.5	29.1	26.7	30.6	32.4	26.1	26.1	25.8
jogged (6)	18.1	14.7	23.9	17.7	20.3	17.2	21.0	25.1	10.7	9.9	16.5
missed class due to illness (6)	2.2	1.9	1.2	2.2	2.8	1.1	0.7	6.8	1.7	1.4	4.5
participated in intramural sport	48.7	48.6	54.1	44.8	52.3	46.3	51.2	63.2	37.8	38.5	33.4
smoked cigarettes (6)	11.5	8.2	7.8	14.5	12.2	13.0	9.3	12.4	17.8	17.8	18.4
stayed up all night	68.8	69.0	66.5	70.1	67.6	64.9	65.6	73.3	63.9	64.3	61.2
took interdisciplinary course	47.9	46.3	64.3	44.6	48.5	43.7	58.6	50.8	34.1	34.6	30.8
tutored another student	48.2	47.3	51.9	46.5	50.4	50.1	47.6	52.4	40.3	40.8	37.0
worked on group proj in class	80.5	80.8	76.6	80.7	81.2	76.8	86.3	85.7	71.7	72.3	67.7
worked on independent res proj	50.7	43.3	58.2	49.0	58.3	58.1	53.9	61.3	40.8	40.8	40.6
Political Views in 1984											
far left	1.3	1.3	1.4	1.4	1.1	1.4	1.2	0.6	2.1	2.2	0.9
liberal	21.6	22.6	21.3	21.3	21.0	26.5	17.2	14.3	16.0	16.3	14.2
middle of the road	56.6	54.8	50.0	59.0	57.6	53.8	58.9	63.1	62.1	62.0	63.1
conservative	19.6	20.1	25.3	17.9	19.3	17.2	21.9	21.2	19.4	19.2	21.0
far right	0.9	1.1	2.0	0.4	0.9	1.1	0.7	0.8	0.4	0.3	0.8
Political Views in 1988											
far left	1.4	1.0	2.7	0.9	2.1	3.6	0.5	0.7	2.2	2.5	0.5
liberal	22.3	22.7	26.2	18.3	25.8	30.2	16.9	23.8	16.5	17.4	10.4
middle of road	48.4	47.8	42.3	51.2	47.2	43.9	57.7	46.3	56.0	54.4	67.0
conservative	27.2	27.9	27.2	29.0	24.1	22.0	23.9	27.5	24.0	24.4	21.1
far right	0.7	0.6	1.6	0.6	0.8	0.3	1.0	1.6	1.3	1.3	1.1

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1984											
with parents or relatives	12.6	11.1	6.3	15.5	12.9	12.6	14.3	12.4	28.1	29.0	22.3
other private home or apartment	25.6	29.0	14.3	31.6	18.1	16.4	21.8	18.5	29.3	29.7	26.3
college dormitory	49.3	45.9	66.7	42.9	55.3	56.0	49.2	57.9	27.4	26.6	32.2
fraternity or sorority house	6.5	7.4	9.0	4.0	7.7	5.8	10.5	8.9	3.4	2.8	7.6
other campus housing	3.9	4.6	3.3	3.9	3.3	4.1	3.4	2.0	9.3	9.1	10.6
other	2.1	2.0	0.4	2.2	2.8	5.1	0.8	0.3	2.5	2.8	1.0
Planned for Fall 1984											
with parents or relatives	21.9	17.3	10.1	30.7	19.3	23.0	23.5	10.6	52.5	56.0	27.8
other private home or apartment	2.6	2.7	0.7	4.5	0.8	0.6	0.4	1.2	7.0	7.6	2.7
college dormitory	72.8	76.5	87.8	62.3	77.4	75.0	74.5	83.4	36.8	32.8	65.1
fraternity or sorority house	0.8	1.4	0.3	0.2	1.0	0.0	0.0	3.2	0.4	0.5	0.0
other campus housing	1.5	1.6	1.1	2.1	0.9	0.5	1.1	1.6	1.6	1.4	3.5
other	0.4	0.5	0.0	0.2	0.6	0.9	0.5	0.0	1.7	1.8	0.8
First Year											
with parents or relatives	21.5	16.4	10.3	30.6	18.9	22.0	22.9	11.2	54.2	57.8	28.6
other private home,apt,room	4.1	4.4	0.8	6.8	1.4	1.5	1.6	1.3	8.1	8.9	2.6
college dormitory	71.1	76.0	88.1	58.0	77.2	73.2	73.7	86.2	35.1	31.0	65.0
frat or sorority house	0.8	1.9	0.3	0.2	0.4	0.2	0.2	0.9	0.4	0.5	0.0
other campus student housing	2.1	1.1	0.5	3.7	1.6	2.7	0.7	0.4	0.9	0.6	3.5
other	0.3	0.2	0.0	0.6	0.4	0.4	0.9	0.0	1.2	1.4	0.3
Second Year											
with parents or relatives	24.5	20.1	10.9	32.6	23.3	27.4	23.3	16.4	47.4	49.0	34.8
other private home,apt,room	15.1	21.5	15.4	13.9	9.7	7.6	11.0	12.5	16.6	16.8	14.8
college dormitory	50.7	48.3	60.8	46.1	55.8	52.3	55.3	62.1	27.9	25.3	47.6
frat or sorority house	4.6	6.1	8.2	2.1	4.9	4.8	1.2	7.3	1.5	1.6	0.9
other campus student housing	4.0	3.6	4.3	4.0	4.3	4.7	8.2	1.3	5.0	5.5	1.5
other	1.2	0.4	0.4	1.4	1.9	3.2	1.0	0.3	1.6	1.7	0.4
Third Year											
with parents or relatives	23.5	21.5	14.7	26.4	24.9	27.3	27.7	19.4	25.9	25.6	27.5
other private home,apt,room	30.5	43.6	32.4	25.4	22.0	19.7	22.9	25.5	39.7	40.9	31.6
college dormitory	31.8	21.2	33.1	35.7	38.1	39.8	35.3	36.9	23.8	23.0	30.0
frat or sorority house	6.6	7.5	11.4	5.0	6.2	5.0	1.7	10.9	1.3	1.4	1.1
other campus student housing	5.5	4.9	6.8	5.5	5.7	4.6	10.4	4.8	5.0	5.1	4.0
other	2.1	1.4	1.6	2.0	3.0	3.7	2.0	2.5	4.3	4.1	5.8
Fourth Year											
with parents or relatives	22.6	20.6	12.7	27.3	22.6	24.8	22.6	18.6	26.3	26.5	24.6
other private home,apt,room	39.5	54.7	41.2	34.2	28.9	24.1	32.8	34.9	48.0	48.7	42.6
college dormitory	23.9	13.3	28.0	25.8	31.5	35.3	24.5	29.2	13.4	12.6	19.9
frat or sorority house	5.0	5.5	10.3	2.7	5.4	4.3	2.1	9.4	1.3	1.3	1.2
other campus student housing	6.2	4.2	6.0	6.5	8.2	7.3	15.6	5.2	6.0	5.7	8.1
other	2.8	1.7	1.9	3.5	3.4	4.2	2.4	2.6	5.0	5.2	3.6

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Personal Objectives Noted as Very Important or Essential in 1984											
achieve in a performing art	14.2	12.1	15.0	17.4	12.2	13.9	9.6	10.8	12.1	12.1	12.4
be involved in environ cleanup	19.4	19.4	20.3	20.1	18.4	17.1	20.7	19.1	22.1	22.3	20.2
be successful in own business	51.5	50.0	46.4	51.4	54.8	58.5	47.3	53.1	57.1	57.2	55.9
be very well off financially	70.1	73.2	65.6	69.4	69.1	72.9	66.1	64.5	72.3	73.2	65.9
become authority in my field	75.7	76.9	76.5	75.4	74.6	74.6	70.2	77.0	68.5	68.8	66.1
create artistic work	10.7	10.3	11.6	10.4	11.4	13.0	7.7	10.8	11.8	12.0	10.1
develop philosophy of life	48.5	46.6	53.6	48.9	48.5	47.1	52.3	48.5	41.2	41.2	41.2
have admin. responsibility	43.7	43.9	41.0	47.4	39.9	40.5	45.3	35.6	38.0	38.3	35.9
help others in difficulty	64.5	61.5	63.3	66.8	64.9	63.1	68.8	65.9	54.6	53.7	61.2
influence political structure	17.5	15.8	22.7	19.4	15.3	14.5	19.5	14.3	10.8	10.7	11.7
influence social values	35.0	29.5	36.1	39.8	34.1	31.4	36.7	37.2	28.8	27.8	35.7
keep up with political affairs	44.3	42.8	54.5	43.8	43.4	44.4	44.2	41.3	31.1	31.7	26.9
obtain recog from colleagues	58.5	59.5	57.5	58.1	58.2	62.3	56.0	52.7	51.5	53.3	38.4
participate in community action	25.9	22.3	22.2	29.4	26.2	23.7	28.8	29.1	17.9	17.7	19.7
promote racial understanding	33.9	31.8	37.4	32.3	36.8	36.6	38.7	35.9	24.4	23.6	30.5
raise a family	69.0	70.1	71.6	68.3	67.9	66.7	74.9	66.0	62.6	60.3	78.8
theoretical contrib. to science	15.2	17.6	16.4	15.5	11.9	13.9	12.2	8.5	14.2	14.9	8.7
write original works	12.6	10.4	14.1	14.7	11.8	13.9	7.4	11.0	11.9	12.6	6.9
in 1988											
achieve in a performing art	8.0	8.5	9.6	7.7	7.6	8.4	6.4	6.8	8.8	8.7	9.3
be expert on finance/commerce	19.7	17.4	19.6	19.8	21.8	22.8	21.2	20.6	19.3	19.5	17.7
be involved in environ cleanup	20.4	17.0	21.6	20.0	24.0	26.2	19.8	22.8	23.6	23.8	22.2
be successful in own business	38.2	33.9	34.8	39.6	41.9	44.3	38.8	39.5	39.8	39.6	41.5
be very well off financially	60.9	61.0	56.8	60.0	63.2	66.3	59.9	59.8	64.8	66.4	53.1
become authority in my field	66.5	65.7	68.8	65.9	67.6	70.5	65.9	63.6	61.7	62.6	54.7
create artistic work	12.4	9.4	13.8	13.3	14.1	15.2	12.5	13.3	16.0	16.2	15.0
develop philosophy of life	48.0	45.2	55.7	46.3	50.8	53.5	49.1	47.2	42.7	42.3	45.3
get married	63.9	65.5	69.5	64.6	59.5	59.0	66.1	56.8	61.7	61.4	63.5
have admin. responsibility	45.3	44.2	44.6	47.3	44.1	45.5	46.3	40.4	46.5	47.2	41.3
help others in difficulty	61.0	59.2	63.8	59.4	64.0	65.0	63.9	62.2	62.4	61.9	65.6
influence political structure	16.6	13.7	21.3	16.3	18.5	20.5	16.6	16.2	10.0	10.4	6.8
influence social values	38.3	34.8	41.1	39.4	39.7	40.7	41.8	37.0	33.9	33.5	36.3
obtain recog from colleagues	51.5	50.9	56.9	51.2	50.9	52.2	57.4	44.9	50.6	52.9	34.4
participate in community action	22.2	19.0	26.3	19.6	27.7	29.0	22.6	28.6	17.9	17.9	17.5
promote racial understanding	31.5	24.6	36.5	33.7	34.2	38.2	28.7	30.4	22.0	22.3	19.7
raise a family	67.3	68.2	70.9	66.7	66.2	67.2	67.6	63.8	64.5	64.8	62.6
theoretical contrib. to science	11.1	11.9	12.8	11.1	9.8	11.2	8.9	7.9	13.7	14.1	10.6
write original works	14.0	14.2	18.6	12.8	14.0	15.2	13.4	12.2	13.0	13.5	9.4
Permission to Use I.D. in 1984											
yes	80.4	81.1	78.7	81.1	79.3	75.1	84.0	83.9	74.9	74.4	78.4
no	19.6	18.9	21.3	18.9	20.7	24.9	16.0	16.1	25.1	25.6	21.6
Permission to Use I.D. in 1988											
yes	69.6	70.7	74.5	69.1	67.7	67.6	74.3	64.1	66.8	66.9	66.1
no	30.4	29.3	25.5	30.9	32.3	32.4	25.7	35.9	33.2	33.1	33.9

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agrees Strongly or Somewhat											
in 1984											
abortion should be legalized....	55.7	61.6	62.4	50.1	54.8	59.0	39.6	56.9	52.6	53.7	45.0
activities of women best in home	18.7	18.3	11.5	20.8	18.7	20.1	15.5	18.3	24.3	23.7	28.5
busing OK to achieve balance....	51.4	44.6	46.1	52.9	58.0	65.1	50.4	50.2	57.6	57.6	58.1
college regulate off-campus acts	13.8	10.2	10.1	17.9	13.4	15.7	11.8	10.5	15.2	15.2	14.8
gov't not promoting disarmament.	65.0	64.2	69.7	60.7	69.7	70.1	71.5	68.1	63.2	62.2	70.9
high school grading too easy....	57.5	58.4	63.8	56.6	55.9	57.4	61.5	50.2	50.6	49.8	56.0
increase military spending.....	29.0	28.9	24.4	32.5	26.1	26.0	21.5	28.9	31.2	29.9	39.8
live together before marriage...	44.2	44.9	41.6	42.5	46.4	50.1	41.1	43.3	46.4	47.5	38.8
marijuana should be legalized...	21.9	22.5	22.7	21.1	21.8	22.9	24.6	18.4	21.1	20.1	28.5
national health care plan needed	58.5	54.0	51.3	59.9	63.5	66.5	62.3	59.1	69.2	70.6	59.9
prohibit homosexual relations	41.2	36.0	32.7	42.7	47.0	44.4	46.0	51.9	52.2	52.2	51.7
sex OK if people like each other	45.3	48.1	47.2	44.2	43.1	47.0	34.4	41.7	45.9	46.8	40.1
students help evaluate faculty..	70.7	74.9	74.1	67.1	70.1	71.0	70.9	68.2	68.1	67.9	69.0
in 1988											
abortion should be legalized....	62.2	65.3	70.0	60.1	59.3	69.3	39.6	54.2	53.6	54.5	47.5
activities of women best in home	14.1	11.9	8.4	17.2	14.3	14.7	14.6	13.6	14.0	14.6	9.5
busing OK to achieve balance....	41.9	37.3	42.5	40.5	48.3	48.3	44.1	50.7	40.7	40.3	43.2
college grading too easy.....	26.6	23.1	33.6	24.6	30.4	33.8	29.6	25.3	25.2	25.0	26.4
college raises earning power....	48.4	48.4	35.5	52.1	47.6	49.8	40.0	48.4	57.2	58.2	50.4
college regulate off-campus acts	8.3	6.9	8.4	9.5	8.4	7.7	8.7	9.4	9.9	9.4	13.4
employers can require drug test.	65.7	65.1	61.2	67.3	65.6	64.3	66.0	67.7	62.8	62.8	62.9
gov't not promoting disarmament.	66.6	62.7	69.4	65.9	70.7	73.5	67.8	67.7	64.1	64.9	59.1
increase military spending.....	21.1	19.9	17.3	26.2	16.9	16.8	16.9	17.1	25.0	24.5	28.5
live together before marriage...	48.0	49.0	49.9	47.8	46.8	54.0	35.7	41.3	45.4	45.5	44.7
mandatory testing for AIDS.....	49.9	47.3	40.5	53.6	50.8	51.7	52.3	48.5	60.4	60.0	63.1
marijuana should be legalized...	22.3	24.6	27.9	19.7	21.4	24.2	16.5	19.6	18.5	18.1	20.7
national health care plan needed	66.9	64.2	59.9	67.6	70.8	72.3	70.0	68.8	73.2	74.1	67.4
no coll invest in S Africa co's.	52.1	54.7	61.0	44.8	56.1	57.4	54.3	55.1	39.7	39.6	39.9
prohibit homosexual relations...	30.3	26.3	21.4	33.5	33.2	32.7	31.1	35.2	39.2	38.1	47.0
raise taxes to reduce deficit...	25.5	29.4	32.9	20.1	26.0	24.9	24.4	28.6	18.2	18.6	15.7
sex OK if people like each other	50.7	54.2	55.8	49.0	47.5	52.4	35.2	46.4	53.2	55.9	34.0
students help evaluate faculty..	84.7	87.2	85.3	83.3	83.7	83.8	87.0	81.7	80.4	81.2	75.2
College Objectives Noted as Very											
Important or Essential											
conduct research.....	35.9	36.8	39.5	33.8	36.6	41.8	33.2	29.4	39.4	40.9	28.8
convey apprec. of liberal arts..	44.8	36.7	59.8	35.7	60.2	57.7	63.7	62.5	27.8	24.7	49.5
develop clear thinking ability..	77.0	72.5	78.2	75.6	83.2	84.1	85.1	80.6	77.7	77.6	78.1
develop creative capacities.....	50.7	45.7	46.6	50.6	57.5	58.0	54.5	58.4	53.6	52.5	61.2
develop moral character.....	45.1	34.6	47.4	45.4	55.2	50.9	68.0	55.1	45.8	43.6	61.4
develop religious convictions...	15.7	6.0	22.3	11.2	29.4	19.6	50.7	33.7	12.3	9.2	35.1
develop responsible citizens....	48.4	41.3	49.4	50.0	53.4	50.9	62.8	52.1	48.3	45.8	65.9
gain deeper level of understand.	40.7	33.2	42.0	39.5	49.8	47.4	58.6	48.8	43.1	40.1	64.5
increase self-directed learning.	55.4	48.8	57.1	56.6	60.4	64.5	59.6	53.8	58.9	58.4	62.6
master knowledge in discipline..	63.8	64.0	71.6	59.2	66.9	66.0	73.8	64.4	57.0	58.0	50.3
prepare students for employment.	65.7	66.0	62.5	67.3	64.2	64.0	73.7	59.0	71.3	71.2	72.1
prepare students for family liv.	23.2	17.7	21.3	24.3	28.1	26.6	39.9	24.0	31.3	30.6	36.0
prepare students for grad school	45.0	41.0	55.3	41.2	50.6	53.5	51.5	45.3	39.5	39.4	40.0
provide for emotional develop...	34.5	28.9	36.0	33.2	41.6	41.0	49.5	38.0	36.2	33.2	57.0
provide skilled workers for bus.	44.1	41.9	35.5	48.4	43.6	44.6	52.1	37.3	55.9	55.9	55.9
provide tools for living in soc.	54.7	50.7	61.6	53.0	58.8	58.9	62.1	56.7	57.5	56.5	64.0

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
None											
attending classes/lab sessions	1.4	1.0	1.0	1.6	1.6	1.2	1.5	2.5	3.4	3.1	5.1
studying/doing homework	0.2	0.1	0.1	0.4	0.0	0.0	0.0	0.0	0.3	0.1	1.5
socializing with friends	0.1	0.3	0.2	0.1	0.0	0.0	0.2	0.0	0.3	0.2	0.7
talk with faculty outside class	9.7	13.7	8.1	7.0	9.3	10.7	5.0	9.5	15.3	16.2	8.5
exercising/sports	6.6	7.0	4.2	8.1	5.0	5.0	3.8	5.5	9.2	9.5	6.6
reading for pleasure	22.1	24.9	24.1	21.7	19.0	18.5	21.9	18.2	20.1	20.0	21.0
using a personal computer	37.5	41.3	28.5	35.9	38.5	39.4	42.3	34.7	47.2	45.8	57.5
partying	13.2	11.8	11.1	15.8	12.2	11.0	14.9	12.5	16.2	15.1	24.0
working (for pay)	25.8	26.1	32.9	26.2	22.9	23.1	21.8	23.4	34.9	36.6	22.5
volunteer work	65.0	69.2	63.1	63.9	62.6	67.7	59.6	55.8	74.1	74.5	71.1
student clubs/groups	44.7	48.2	35.4	45.9	42.4	41.2	43.0	44.2	57.6	57.5	58.3
watching TV	7.0	5.8	10.1	6.2	8.5	9.0	6.4	8.9	6.4	6.4	6.4
commuting to campus	39.2	33.9	48.0	37.0	44.7	46.7	37.9	45.3	29.8	29.3	33.3
religious services/meetings	52.4	56.4	55.8	50.6	49.4	53.2	37.6	49.6	56.7	58.7	41.7
hobbies	21.0	22.5	25.0	18.8	21.1	23.5	17.1	19.2	21.4	21.1	23.7
Six or More											
attending classes/lab sessions	87.3	89.6	91.7	88.0	82.6	81.0	90.4	80.8	80.7	80.6	81.6
studying/doing homework	70.3	73.2	79.8	67.7	67.8	66.8	68.9	68.8	72.7	72.8	71.8
socializing with friends	74.8	76.9	84.4	70.0	75.5	74.2	72.8	79.1	63.7	63.9	62.3
talk with faculty outside class	3.5	2.5	1.8	4.0	4.3	3.8	4.7	5.0	2.7	2.7	3.3
exercising/sports	29.9	28.7	31.1	28.9	31.8	30.6	34.2	32.7	22.6	21.8	28.3
reading for pleasure	7.6	6.5	9.4	7.4	8.5	9.3	6.2	8.5	12.6	13.6	5.4
using a personal computer	15.2	14.5	16.2	15.8	14.9	17.6	13.6	11.0	10.1	10.2	9.7
partying	34.0	36.4	40.0	30.4	34.1	35.6	34.6	31.4	34.9	36.6	22.8
working (for pay)	63.8	65.4	56.5	65.8	61.7	62.3	67.5	57.3	51.4	48.7	71.4
volunteer work	5.9	5.0	5.1	6.8	5.9	5.2	7.8	6.0	5.1	5.3	3.7
student clubs/groups	11.2	9.7	16.0	11.8	10.5	9.8	10.0	12.0	7.0	7.4	3.6
watching TV	31.6	37.1	25.4	31.1	28.5	27.4	28.7	30.2	33.0	33.6	28.8
commuting to campus	11.0	9.6	8.4	12.3	11.4	12.6	12.7	8.7	17.9	18.5	13.4
religious services/meetings	2.2	1.5	1.5	2.2	3.0	3.6	2.8	2.1	1.3	1.4	0.8
hobbies	11.3	9.3	8.5	12.9	12.1	13.5	9.7	11.2	13.2	14.3	5.5
Sixteen or More											
attending classes/lab sessions	42.0	41.5	36.1	46.3	38.9	36.3	50.4	36.8	45.3	45.6	42.6
studying/doing homework	23.1	23.4	29.3	21.9	22.3	22.6	25.5	20.2	22.0	22.5	18.3
socializing with friends	30.0	30.6	37.4	27.0	31.0	29.9	30.9	32.9	26.7	28.4	13.9
talk with faculty outside class	0.2	0.1	0.1	0.2	0.3	0.6	0.2	0.0	0.6	0.7	0.0
exercising/sports	6.3	4.5	6.1	7.3	7.1	8.0	5.8	6.2	3.1	3.1	3.6
reading for pleasure	1.2	0.9	1.0	1.3	1.6	2.1	0.3	1.6	4.2	4.4	2.9
using a personal computer	3.8	3.1	2.8	3.9	4.5	5.9	2.7	3.2	2.4	2.4	2.8
partying	9.0	9.8	11.2	9.1	7.6	7.8	8.9	6.5	8.9	9.3	6.0
working (for pay)	38.7	40.1	25.6	44.6	33.7	35.0	38.9	28.3	31.9	29.8	47.5
volunteer work	1.3	1.1	1.8	1.2	1.5	0.8	2.4	2.1	1.7	1.8	0.3
student clubs/groups	2.4	2.3	3.9	2.1	2.3	3.1	1.6	1.5	0.6	0.6	1.1
watching TV	7.1	7.2	3.3	8.6	6.4	6.1	8.1	5.8	9.5	10.4	2.9
commuting to campus	1.4	0.6	0.3	1.8	2.1	2.2	3.1	1.3	4.9	5.3	1.3
religious services/meetings	0.5	0.2	0.1	0.5	1.0	1.6	1.0	0.1	0.3	0.3	0.0
hobbies	2.0	1.9	1.7	1.7	2.5	3.2	1.5	1.8	2.4	2.4	2.0

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1984 (7)											
artist (including performer)	6.1	5.7	5.5	5.4	7.7	8.3	4.7	8.7	4.2	3.1	11.6
businessman	22.3	19.9	21.2	21.7	26.1	26.8	27.4	24.3	24.4	24.8	21.7
clergy or religious worker	0.2	0.1	0.0	0.1	0.6	0.2	0.8	1.2	0.1	0.0	1.0
college teacher	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2
doctor (MD or DDS)	5.3	5.0	13.8	2.3	6.6	7.0	7.6	5.3	1.2	0.8	4.0
education (secondary)	2.8	2.3	1.8	3.4	3.0	2.0	3.1	4.7	1.6	1.5	1.9
education (elementary)	3.5	2.0	0.3	6.2	2.8	1.4	4.7	4.0	2.7	2.3	5.7
engineer	10.2	14.1	13.1	10.5	4.6	6.2	4.6	1.8	9.7	10.6	3.1
farmer or forester	0.7	1.5	0.0	0.5	0.4	0.5	0.3	0.5	2.4	2.7	0.3
health professional (non-M.D.)	5.5	7.6	3.0	6.0	3.6	3.5	2.9	4.2	8.8	9.2	5.7
lawyer	5.1	4.0	11.4	3.7	6.0	6.8	3.6	6.0	2.8	2.7	3.0
nurse	4.0	3.8	1.3	3.8	5.2	6.1	7.7	2.0	6.3	6.7	3.6
scientific researcher	2.0	2.3	2.7	1.8	1.5	1.6	1.2	1.6	1.6	1.7	0.6
other choice	20.1	19.5	12.8	23.1	19.3	17.3	15.7	24.9	26.6	26.8	25.6
undecided	12.0	11.9	13.0	11.5	12.4	12.3	15.7	10.6	7.4	6.8	11.9
Probable Career in 1988 (7)											
artist (including performer)	6.1	7.7	7.2	4.5	6.0	6.5	7.2	4.4	3.8	3.2	8.0
businessman	30.3	27.2	30.4	30.7	33.2	33.8	31.7	33.1	23.2	22.8	26.4
clergy or religious worker	0.5	0.3	0.6	0.5	0.7	0.6	0.9	0.7	0.1	0.0	0.8
college teacher	1.4	1.2	2.2	0.8	2.3	2.0	2.5	2.7	0.6	0.4	1.5
doctor (MD or DDS)	2.0	2.0	6.6	0.6	2.3	1.9	3.0	2.6	3.6	4.0	0.6
education (secondary)	4.8	5.3	2.1	6.1	3.6	2.9	2.6	5.5	2.7	2.2	6.0
education (elementary)	5.5	5.1	2.4	7.6	4.1	2.0	10.1	4.4	6.0	5.9	6.3
engineer	6.9	10.2	9.6	6.0	3.4	4.8	3.5	1.0	7.8	8.5	3.2
farmer or forester	0.6	1.1	0.2	0.6	0.3	0.1	0.4	0.6	1.7	1.8	0.6
health professional (non-M.D.)	3.3	4.2	2.5	2.9	3.0	2.7	2.2	4.0	3.7	3.4	5.9
lawyer	3.9	3.2	9.3	3.1	4.0	4.6	4.1	3.0	0.9	0.6	2.9
nurse	3.1	3.8	1.5	2.9	3.3	3.7	4.8	1.6	4.3	4.6	2.2
scientific researcher	1.8	1.4	2.2	2.3	1.7	1.6	1.8	1.7	2.0	2.2	0.6
other choice	25.1	22.4	16.3	28.2	26.9	27.7	22.5	28.2	35.3	36.0	30.2
urdecided	4.6	4.9	6.9	3.3	5.1	5.1	2.7	6.7	4.4	4.3	4.8
Reasons Noted as Very Important or Essential for Choosing Career											
job opportunities available	61.1	60.2	50.3	67.9	56.6	60.0	58.7	49.6	68.8	69.1	66.2
can make contribution to society	57.6	57.2	61.4	56.4	58.2	59.7	60.4	54.4	53.8	53.2	58.2
enjoy working w/people in field.	70.6	69.3	65.7	73.0	70.3	71.0	72.6	67.9	75.9	75.6	78.2
oppty for freedom of action	62.7	60.4	72.1	61.0	64.2	68.8	61.1	58.1	59.8	59.8	59.9
oppty for rapid career advancmnt	54.2	51.2	51.1	58.3	53.0	56.7	51.6	47.5	54.5	55.5	47.5
pays well	55.9	56.2	52.3	57.2	55.0	59.3	52.5	49.0	59.4	60.2	53.4
satisfies parent's hopes	12.1	12.3	9.4	13.0	11.6	12.4	12.1	9.7	14.8	14.7	15.7
work is challenging	82.6	78.3	86.5	83.4	84.9	86.0	85.2	82.9	75.6	75.7	74.5
work is interesting	93.6	93.5	95.0	94.1	92.6	94.6	93.6	88.6	94.3	94.7	91.5

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1984 (7)											
agriculture	1.0	2.1	0.0	0.5	0.6	0.9	0.0	0.6	2.2	2.3	1.4
biological sciences	4.8	4.4	7.5	3.6	6.0	8.1	4.1	3.5	3.3	3.5	2.2
business	24.6	20.6	22.8	23.1	31.4	31.1	33.0	30.8	32.1	32.1	31.9
education	6.2	5.4	1.3	8.9	5.3	3.0	8.2	7.4	4.5	4.3	6.3
engineering	10.7	14.6	14.4	11.4	4.6	6.3	4.1	2.1	9.4	10.1	4.2
English	1.2	1.0	2.8	0.8	1.3	1.6	0.8	1.2	0.0	0.0	0.0
health professional	11.2	12.7	10.8	10.8	10.2	10.2	13.8	8.1	9.8	9.3	13.6
history or political science	4.3	2.5	9.5	4.0	4.8	5.5	2.5	5.1	0.7	0.6	1.0
humanities	2.5	2.9	3.3	2.0	2.3	2.5	2.6	1.8	1.5	1.7	0.5
fine arts	3.4	3.3	2.1	3.1	4.5	4.2	1.8	6.5	2.6	2.0	7.5
mathematics or statistics	1.4	1.4	1.8	1.6	1.2	1.3	1.3	0.9	0.1	0.1	0.0
physical sciences	2.1	2.3	3.2	2.4	1.3	1.4	1.1	1.3	1.5	1.7	0.6
social sciences	4.6	3.1	4.0	3.7	7.5	4.9	8.8	11.3	2.6	2.8	1.0
other technical	7.0	7.1	3.5	8.9	5.8	6.0	3.9	6.4	15.2	16.4	6.9
other non-technical	7.8	9.8	5.5	7.9	6.4	5.5	6.7	7.7	11.5	10.6	17.8
undecided	7.1	6.9	7.4	7.4	6.9	7.4	7.6	5.5	3.0	2.8	4.9
Major Noted in 1988 (7)											
agriculture	0.8	1.8	0.0	0.6	0.2	0.0	0.2	0.4	1.8	2.0	0.0
biological sciences	3.9	4.0	6.6	2.7	4.6	4.0	4.2	5.6	3.5	3.2	5.3
business	26.6	23.7	20.0	29.4	27.9	28.2	30.4	26.0	28.4	29.0	25.0
education	9.8	9.2	4.1	13.1	8.0	4.2	11.4	12.3	10.6	10.2	13.0
engineering	7.3	10.6	10.5	6.8	3.5	5.2	3.5	0.8	8.8	9.6	3.3
English	3.3	2.4	4.9	2.8	4.5	5.6	6.3	1.6	0.4	0.4	0.4
health professional	4.8	6.0	3.9	4.1	4.8	4.6	6.7	3.9	5.2	4.7	8.6
history or political science	5.6	3.9	12.2	3.9	7.8	9.3	6.3	6.1	1.6	1.7	0.7
humanities	2.9	2.7	4.5	2.3	3.4	4.3	2.7	2.1	2.5	2.5	2.5
fine arts	3.6	3.2	3.1	3.0	4.9	5.7	1.7	5.3	3.3	2.6	7.4
mathematics or statistics	1.8	1.7	2.6	2.0	1.3	1.3	1.5	1.0	0.9	0.8	1.1
physical sciences	2.2	2.0	2.5	2.6	1.8	2.0	1.6	1.7	0.8	1.0	0.0
social sciences	11.8	12.3	14.6	8.9	14.3	11.7	8.9	21.8	8.0	8.5	4.7
other technical	5.5	4.4	2.8	6.7	6.0	6.9	3.9	5.7	9.4	9.1	11.8
otner non-technical	9.5	11.3	7.3	10.6	6.7	6.7	10.2	4.6	13.8	13.8	14.3
undecided	0.6	0.7	0.3	0.7	0.5	0.3	0.3	0.9	0.9	0.8	1.8
Religious Preference in 1984 (7)											
Protestant	42.8	41.3	36.5	47.9	39.8	37.3	12.5	60.2	43.9	43.5	46.5
Roman Catholic	38.5	38.3	39.1	36.1	41.5	37.9	79.9	24.7	40.2	40.3	38.9
Jewish	3.7	5.4	10.0	1.5	2.7	4.5	0.5	1.0	2.5	2.8	0.0
other	6.3	5.0	4.1	7.4	7.0	7.5	2.4	8.7	4.9	4.4	8.6
none	8.8	10.0	10.2	7.1	9.1	12.8	4.7	5.4	8.7	9.0	6.0
Religious Preference in 1988 (7)											
Protestant	43.9	42.7	35.2	49.3	41.1	38.8	14.1	59.8	42.8	41.5	51.8
Roman Catholic	35.3	35.8	36.5	32.8	37.8	35.1	75.6	21.5	40.2	41.1	34.2
Jewish	3.3	4.5	8.8	1.6	2.5	4.2	0.5	0.6	2.5	2.8	0.0
other	4.8	3.4	3.2	5.4	6.0	7.6	3.0	5.1	2.8	2.9	2.4
none	12.6	13.6	16.4	11.0	12.6	14.3	6.8	12.9	11.7	11.7	11.6

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS		Universities		Four-year Colleges					Two-year Colleges		
	All 4-yr	Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Religious Preference in 1984											
Baptist	12.8	9.2	8.6	19.5	9.5	11.6	3.3	9.6	8.7	6.8	23.1
Buddhist	0.1	0.0	0.1	0.0	0.3	0.3	0.1	0.3	0.1	0.0	0.9
Congregational (U.C.C.)	1.6	2.1	1.8	1.1	1.6	2.3	0.0	1.2	3.4	3.3	4.1
Eastern Orthodox	0.5	0.6	1.1	0.3	0.5	0.7	0.6	0.2	3.0	3.4	0.0
Islamic	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.6
Jewish	3.7	5.4	10.0	1.5	2.7	4.5	0.5	1.0	2.5	2.8	0.0
Latter Day Saints (Mormon)	0.2	0.3	0.2	0.2	0.2	0.0	0.2	0.5	0.4	0.4	0.0
Lutheran	6.4	9.1	4.9	4.5	6.7	4.8	1.9	12.7	5.5	4.9	10.4
Methodist	10.7	9.8	7.7	12.9	10.0	8.1	2.5	17.6	11.9	12.6	5.9
Quaker (Society of Friends)	0.2	0.1	0.4	0.2	0.4	0.4	0.4	0.3	0.4	0.3	0.5
Roman Catholic	38.5	38.3	39.1	36.1	41.5	37.9	79.9	24.7	40.2	40.3	38.9
Seventh Day Adventist	0.2	0.2	0.4	0.2	0.1	0.1	0.4	0.0	0.5	0.5	0.0
Unitarian-Universalist	0.2	0.4	0.0	0.1	0.3	0.1	0.0	0.9	0.0	0.0	0.0
other Protestant	9.8	9.6	11.4	9.0	10.5	9.0	3.3	17.3	10.2	11.2	2.4
other religion	6.1	4.9	4.0	7.2	6.6	7.1	2.3	8.3	4.7	4.4	7.1
none	8.8	10.0	10.2	7.1	9.1	12.8	4.7	5.4	8.7	9.0	6.0
Religious Preference in 1988											
Baptist	12.8	8.5	7.8	18.5	11.5	14.7	3.6	10.3	8.9	7.2	21.3
Buddhist	0.3	0.3	0.8	0.0	0.4	0.2	0.2	0.7	0.0	0.0	0.0
Congregational	1.0	1.4	1.2	0.9	0.8	0.9	0.2	1.1	1.0	1.0	0.6
Eastern Orthodox	0.6	0.7	1.6	0.4	0.4	0.4	1.0	0.2	3.1	3.4	0.6
Episcopal	2.5	2.4	4.4	2.3	2.5	2.9	0.8	2.7	2.1	2.0	2.7
Hindu	0.1	0.0	0.4	0.1	0.2	0.3	0.0	0.0	0.8	0.9	0.0
Islamic	0.3	0.1	0.0	0.5	0.1	0.1	0.2	0.0	0.0	0.0	0.0
Jewish	3.3	4.5	8.8	1.6	2.5	4.2	0.5	0.6	2.5	2.8	0.0
Latter Day Saints (Mormon)	0.3	0.3	0.5	0.2	0.3	0.0	0.6	0.6	0.1	0.1	0.0
Lutheran	6.2	8.4	5.5	4.9	6.0	4.2	1.5	11.6	5.6	4.9	10.4
Methodist	9.8	9.2	6.0	12.2	8.6	6.8	1.9	15.3	9.2	9.7	5.8
Presbyterian	4.5	5.4	5.3	4.0	4.1	3.6	1.3	6.6	5.4	5.8	2.1
Quaker (Society of Friends)	0.1	0.0	0.1	0.0	0.4	0.4	0.3	0.5	0.7	0.5	1.9
Roman Catholic	35.3	35.8	36.5	32.8	37.8	35.1	75.6	21.5	40.2	41.1	34.2
Seventh Day Adventist	0.2	0.1	0.2	0.3	0.1	0.2	0.0	0.1	0.3	0.4	0.0
other Protestant	5.7	6.3	2.6	5.5	6.3	4.8	2.9	10.7	6.5	6.5	6.3
other religion	4.2	3.0	1.9	4.7	5.4	6.9	2.6	4.4	2.0	2.0	2.4
none	12.6	13.6	16.4	11.0	12.6	14.3	6.8	12.9	11.7	11.7	11.6

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1984											
accountant or actuary	7.1	7.0	4.2	6.1	9.6	8.4	11.1	10.7	8.5	8.9	5.5
actor or entertainer	0.9	0.6	1.0	1.3	0.8	0.8	0.8	0.8	1.1	1.1	0.7
architect	0.8	1.0	0.6	1.0	0.4	0.6	0.0	0.4	1.9	2.1	0.0
artist	1.1	0.5	0.1	0.6	2.6	3.3	0.9	2.5	1.2	0.6	5.7
business (clerical)	0.8	0.5	0.1	1.1	1.0	0.3	0.3	2.6	3.8	3.6	4.7
business (management)	11.2	8.6	12.3	12.8	11.6	12.7	12.1	9.4	9.8	9.7	10.5
business owner or proprietor	2.9	2.8	3.7	2.3	3.4	3.6	2.4	3.7	4.1	4.2	3.8
business sales rep or buyer	1.1	1.4	1.0	0.6	1.5	2.1	1.8	0.4	2.0	2.0	1.9
clergy (minister,priest)	0.1	0.1	0.0	0.0	0.4	0.0	0.7	0.7	0.0	0.0	0.0
clergy (other religious)	0.1	0.0	0.0	0.1	0.3	0.2	0.1	0.5	0.1	0.0	1.0
clinical psychologist	0.9	0.9	1.1	0.6	1.2	1.2	1.9	0.7	0.7	0.8	0.0
college teacher	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2
computer programmer	5.6	4.9	2.7	6.8	5.8	5.2	3.7	8.0	4.9	5.4	1.3
conservationist or forester	0.3	0.6	0.0	0.2	0.2	0.2	0.3	0.1	1.4	1.6	0.3
dentist (incl orthodontist)	0.8	0.7	1.8	0.7	0.7	0.6	1.3	0.6	0.1	0.1	0.0
dietitian or home economist	0.2	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.0
engineer	10.2	14.1	13.1	10.5	4.6	6.2	4.6	1.8	9.7	10.6	3.1
farmer or rancher	0.5	0.9	0.0	0.3	0.3	0.3	0.0	0.3	1.0	1.1	0.0
foreign service worker	1.1	1.0	2.8	0.9	1.0	0.8	0.9	1.4	0.1	0.1	0.0
homemaker	0.1	0.1	0.0	0.1	0.3	0.1	0.2	0.7	0.0	0.0	0.0
interior decorator	0.4	0.5	0.6	0.3	0.3	0.3	0.8	0.2	0.1	0.0	1.1
intepreter (translator)	0.3	0.5	0.5	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.0
lab technician or hygienist	0.8	1.4	0.2	0.9	0.5	0.5	0.1	0.5	4.5	5.0	0.7
law enforcement officer	1.2	0.4	0.5	1.7	1.6	0.0	1.1	4.7	1.8	2.0	0.4
lawyer	5.1	4.0	11.4	3.7	6.0	6.8	3.6	6.0	2.8	2.7	3.0
military service (career)	1.7	1.0	1.0	2.9	1.1	2.1	0.1	0.0	0.7	0.6	1.6
musician (performer,composer)	1.4	1.3	0.7	1.4	1.7	0.8	0.1	4.0	0.3	0.3	0.7
nurse	4.0	3.8	1.3	3.8	5.2	6.1	7.7	2.0	6.3	6.7	3.6
optometrist	0.5	0.6	0.3	0.7	0.3	0.3	0.4	0.2	0.1	0.1	0.0
pharmacist	0.8	1.1	0.4	0.8	0.5	0.8	0.2	0.2	0.5	0.6	0.0
physician	4.5	4.3	12.0	1.6	5.9	6.5	6.2	4.7	1.1	0.6	4.0
school counselor	0.5	0.2	0.3	0.4	0.8	0.0	1.2	1.8	0.2	0.2	0.0
school principal	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	2.0	2.3	2.7	1.8	1.5	1.6	1.2	1.6	1.6	1.7	0.6
social worker	1.2	0.6	0.5	1.5	1.8	0.9	2.2	3.2	1.2	1.4	0.0
statistician	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.0	0.0	0.0	0.0
therapist (phys,occup,speech)	2.5	3.1	1.7	2.6	1.9	1.4	1.9	2.6	2.7	2.5	3.6
teacher (elementary)	3.5	2.0	0.3	6.2	2.8	1.4	4.7	4.0	2.7	2.3	5.7
teacher (secondary)	2.3	2.0	1.5	2.9	2.2	2.0	1.9	2.9	1.4	1.3	1.9
veterinarian	0.7	1.1	0.3	0.8	0.4	0.4	0.3	0.6	0.8	0.7	1.4
writer or journalist	2.4	2.8	3.0	1.9	2.3	3.1	2.1	1.1	1.4	1.1	3.3
skilled trades	0.7	0.4	0.0	1.3	0.6	1.1	0.0	0.0	3.5	3.4	4.0
other	5.4	8.0	3.0	4.9	4.1	4.5	4.9	3.0	8.0	7.2	13.5
undecided	12.0	11.9	13.0	11.5	12.4	12.3	15.7	10.6	7.4	6.8	11.9

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1988											
accountant or actuary	6.0	6.4	6.3	6.0	5.7	6.3	5.8	4.5	5.6	5.7	5.1
actor or entertainer	0.9	1.2	0.8	1.0	0.4	0.3	0.3	0.5	0.3	0.3	0.3
architect	0.8	0.9	1.1	0.8	0.5	0.4	0.1	1.0	0.6	0.7	0.0
artist	1.0	0.5	0.6	0.7	1.9	2.6	1.0	1.0	1.5	1.4	2.1
business (clerical)	0.6	0.5	0.1	0.7	0.7	0.9	0.9	0.2	8.4	9.0	3.7
business (management)	17.2	15.9	18.4	17.2	18.4	18.8	17.4	18.4	11.3	10.9	14.2
business owner or proprietor	3.8	2.0	2.6	4.8	4.8	5.0	2.0	6.2	2.7	2.3	5.9
business sales rep or buyer	3.3	3.0	3.1	2.7	4.3	3.8	6.6	4.0	3.5	3.8	1.2
clergy (minister,priest)	0.3	0.0	0.3	0.4	0.4	0.5	0.3	0.3	0.1	0.0	0.5
clergy (other religious)	0.2	0.3	0.2	0.1	0.3	0.1	0.5	0.4	0.0	0.0	0.3
clinical psychologist	1.9	2.4	1.3	1.0	2.6	2.9	1.0	3.2	1.2	1.2	0.9
college teacher	1.4	1.2	2.2	0.8	2.3	2.0	2.5	2.7	0.6	0.4	1.5
computer programmer	3.7	2.9	1.9	4.8	3.8	4.2	3.2	3.5	3.2	3.6	0.4
conservationist or forester	0.4	0.8	0.2	0.3	0.2	0.1	0.0	0.5	1.1	1.1	0.6
dentist (incl orthodontist)	0.3	0.6	1.0	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.0
dietitian or home economist	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.0
engineer	6.9	10.2	9.6	6.0	3.4	4.8	3.5	1.0	7.8	8.5	3.2
farmer or rancher	0.2	0.3	0.0	0.3	0.1	0.0	0.4	0.1	0.6	0.7	0.0
foreign service worker	0.8	1.0	1.5	0.6	0.5	0.7	0.8	0.1	0.3	0.3	0.0
homemaker	0.1	0.0	0.2	0.0	0.1	0.1	0.3	0.0	0.5	0.5	0.0
interior decorator	0.4	0.5	0.2	0.3	0.5	0.5	0.8	0.2	0.7	0.6	1.5
intepreter (translator)	0.2	0.3	0.1	0.2	0.1	0.2	0.0	0.2	0.3	0.3	0.0
lab technician or hygienist	0.5	0.5	0.2	0.6	0.5	0.6	0.5	0.4	1.1	1.2	0.7
law enforcement officer	1.1	0.4	0.4	1.2	1.9	2.6	1.2	1.1	2.1	2.3	0.6
lawyer	3.9	3.2	9.3	3.1	4.0	4.6	4.1	3.0	0.9	0.6	2.9
military service (career)	2.0	0.9	0.9	4.0	1.2	1.9	0.7	0.2	0.2	0.1	0.8
musician (performer,composer)	0.6	1.0	1.1	0.2	0.5	0.6	0.1	0.5	0.0	0.0	0.3
nurse	3.1	3.8	1.5	2.9	3.3	3.7	4.8	1.6	4.3	4.6	2.2
optometrist	0.2	0.3	0.4	0.1	0.2	0.4	0.0	0.0	0.1	0.1	0.0
pharmacist	0.5	0.8	0.1	0.3	0.4	0.6	0.6	0.0	0.3	0.3	0.8
physician	1.7	1.5	5.6	0.6	2.2	1.9	2.7	2.5	3.6	4.0	0.6
school counselor	0.4	0.3	0.0	0.4	0.6	0.7	0.0	0.7	0.1	0.1	0.0
school principal	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	1.8	1.4	2.2	2.3	1.7	1.6	1.8	1.7	2.0	2.2	0.6
social worker	2.4	1.7	1.1	2.0	4.1	1.7	2.5	9.1	2.0	2.1	1.6
statistician	0.2	0.4	0.2	0.1	0.4	0.4	0.1	0.4	0.1	0.1	0.0
therapist (phys,occup,speech)	1.6	2.2	1.7	1.2	1.4	0.6	0.9	3.1	1.4	1.0	4.2
teacher (elementary)	5.5	5.1	2.4	7.6	4.1	2.0	10.1	4.4	6.0	5.9	6.3
teacher (secondary)	4.4	5.0	1.8	5.6	3.0	2.2	2.6	4.8	2.6	2.1	6.0
veterinarian	0.3	0.1	0.0	0.4	0.3	0.4	0.0	0.3	0.6	0.6	0.2
writer or journalist	3.3	4.5	4.6	2.2	2.8	2.5	5.0	2.2	1.3	1.0	3.7
skilled trades	1.3	0.7	0.1	2.7	0.7	0.7	0.2	1.0	3.3	3.7	1.1
other	10.0	10.4	7.4	10.0	10.4	11.1	11.5	8.3	13.1	12.0	21.2
undecided	4.6	4.9	6.9	3.3	5.1	5.1	2.7	6.7	4.4	4.3	4.8

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1984 (disaggregated)											
ARTS & HUMANITIES											
arts	1.3	0.7	0.7	0.8	2.6	3.4	1.6	1.6	1.6	0.9	6.8
English	1.2	1.0	2.8	0.8	1.3	1.6	0.8	1.2	0.0	0.0	0.0
history	1.0	0.7	1.8	0.6	1.5	2.4	0.2	0.9	0.3	0.3	0.0
journalism	1.4	1.9	2.2	1.1	0.9	1.3	0.8	0.4	0.8	0.7	1.3
language or literature	0.7	1.2	1.0	0.4	0.6	0.9	0.4	0.3	0.4	0.5	0.0
music	1.2	1.6	0.8	0.8	1.5	0.4	0.2	4.2	0.3	0.2	0.7
philosophy	0.2	0.2	0.6	0.0	0.3	0.4	0.3	0.1	0.0	0.0	0.0
speech	0.3	0.1	0.2	0.6	0.1	0.1	0.0	0.3	0.1	0.1	0.0
theater or drama	0.8	0.7	0.7	1.2	0.5	0.4	1.0	0.3	0.6	0.7	0.0
theology or religion	0.1	0.0	0.1	0.0	0.4	0.3	0.4	0.4	0.0	0.0	0.0
other humanities	0.6	0.8	1.0	0.4	0.6	0.5	0.5	0.8	0.5	0.5	0.5
BIOLOGICAL SCIENCES											
general biology	2.5	2.2	4.0	1.5	3.5	4.7	3.0	1.8	1.0	1.1	0.2
biochemistry or biophysics	0.7	0.7	2.4	0.3	0.9	1.4	0.3	0.4	0.2	0.1	0.5
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	1.0
marine (life) science	0.5	0.1	0.2	0.8	0.6	1.0	0.4	0.3	0.7	0.7	0.5
microbiology or bacteriology	0.3	0.3	0.0	0.3	0.2	0.3	0.1	0.0	0.4	0.5	0.0
zoology	0.3	0.5	0.1	0.3	0.2	0.3	0.1	0.2	0.3	0.4	0.0
other biological sciences	0.5	0.6	0.8	0.5	0.5	0.5	0.1	0.8	0.5	0.5	0.0
BUSINESS											
accounting	7.8	7.0	4.8	6.7	10.9	9.9	11.5	12.2	10.4	11.2	5.0
business administration	6.3	6.0	6.1	5.3	8.0	6.7	10.4	8.8	6.5	6.4	7.2
finance	1.7	1.4	4.1	1.3	2.0	2.4	0.8	1.9	0.6	0.6	0.6
marketing	2.2	2.1	2.5	1.2	3.3	3.7	4.5	1.9	3.0	3.3	1.4
management	4.9	2.2	3.4	6.9	5.5	6.7	3.8	4.3	4.8	4.6	5.9
secretarial studies	0.3	0.0	0.0	0.3	0.7	0.6	0.0	1.2	4.6	4.1	7.6
other business	1.4	1.9	1.9	1.3	1.0	1.0	2.0	0.5	2.1	1.9	4.2
EDUCATION											
business education	0.1	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0
elementary education	2.7	1.6	0.3	4.9	1.9	1.1	3.3	2.5	1.9	1.7	4.0
music or art education	0.6	0.2	0.0	1.2	0.3	0.4	0.0	0.3	0.0	0.0	0.0
physical education or recreation	0.7	0.6	0.1	0.8	0.9	0.0	0.3	2.7	1.1	1.2	0.0
secondary education	1.0	1.8	0.6	0.6	0.9	0.6	1.3	1.1	0.4	0.4	0.6
special education	0.8	0.9	0.3	0.8	0.9	0.5	2.5	0.6	0.5	0.5	0.8
other education	0.3	0.3	0.0	0.3	0.3	0.4	0.6	0.1	0.6	0.5	1.0
ENGINEERING											
aeronautical/astronautical eng	1.0	0.7	0.4	1.8	0.4	0.5	0.5	0.3	0.8	0.9	0.4
civil engineering	1.0	1.5	1.8	1.0	0.4	0.4	0.7	0.2	0.7	0.7	0.3
chemical engineering	0.7	1.3	1.0	0.5	0.3	0.3	0.1	0.4	0.4	0.4	0.0
electrical engineering	4.5	5.8	6.9	4.6	2.1	3.2	1.9	0.3	3.9	4.4	1.0
industrial engineering	0.5	0.8	0.2	0.6	0.2	0.2	0.2	0.1	0.4	0.4	0.0
mechanical engineering	1.7	3.1	1.9	1.2	0.8	1.1	0.7	0.3	1.4	1.6	0.0
other engineering	1.3	1.4	2.1	1.6	0.4	0.5	0.0	0.5	1.8	1.8	2.5

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1984 (continued)											
PHYSICAL SCIENCES											
astronomy	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
atmospheric science	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
chemistry	1.0	1.1	1.3	1.0	0.8	0.9	0.7	0.8	0.5	0.5	0.6
earth science	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.3	0.4	0.0
marine science	0.1	0.0	0.0	0.2	0.1	0.2	0.0	0.0	0.2	0.2	0.0
mathematics	1.4	1.3	1.6	1.5	1.2	1.3	1.3	0.9	0.1	0.1	0.0
physics	0.7	0.5	1.5	0.9	0.3	0.3	0.1	0.5	0.4	0.4	0.0
statistics	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical sciences	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.7	0.9	0.4	0.8	0.3	0.3	0.0	0.5	0.6	0.7	0.0
home economics	0.8	2.0	0.0	0.3	0.4	0.0	0.3	1.2	0.5	0.5	0.0
health technology	1.1	1.4	1.0	1.2	0.8	0.9	0.4	0.7	5.3	5.7	2.3
library science	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
nursing	3.6	3.7	1.4	3.9	3.8	3.5	7.7	1.8	5.6	5.9	3.6
pharmacy	1.4	0.9	0.4	2.9	0.3	0.5	0.2	0.2	0.8	0.8	1.2
premed,predent,prevet	4.0	5.0	7.5	1.8	4.6	4.8	4.7	4.4	1.4	0.7	5.7
therapy	2.2	3.1	1.4	2.2	1.4	1.4	1.1	1.7	2.0	1.8	3.1
other professional	1.4	1.2	1.1	1.5	1.4	0.8	2.4	1.7	1.9	1.8	2.8
SOCIAL SCIENCES											
anthropology	0.1	0.3	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0
economics	0.4	0.4	1.6	0.0	0.5	0.8	0.3	0.1	0.0	0.0	0.0
ethnic studies	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
political science	3.3	1.8	7.7	3.4	3.3	3.1	2.2	4.2	0.4	0.3	1.0
psychology	2.8	1.9	1.5	2.7	4.1	3.3	5.2	4.9	1.3	1.4	1.0
social work	1.0	0.3	0.1	0.9	2.1	0.3	1.8	5.4	0.8	1.0	0.0
sociology	0.2	0.2	0.5	0.0	0.5	0.3	0.8	0.5	0.4	0.5	0.0
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.1	0.1	0.1	0.0	0.2	0.1	0.6	0.2	0.0	0.0	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	0.3
data processing	2.0	1.6	0.6	2.9	1.7	1.8	0.5	2.1	2.5	2.8	0.0
drafting or design	0.2	0.0	0.1	0.3	0.4	0.7	0.2	0.0	0.9	1.0	0.0
electronics	0.1	0.0	0.2	0.1	0.1	0.2	0.0	0.0	0.9	1.0	0.4
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.4	0.0
other technical	0.1	0.0	0.0	0.2	0.1	0.2	0.2	0.0	1.2	0.9	3.6
OTHER											
agriculture	0.8	1.8	0.0	0.5	0.5	0.9	0.0	0.2	1.5	1.6	0.8
communications	2.1	2.1	1.3	2.8	1.6	1.7	2.0	1.2	2.1	2.0	3.4
computer science	3.6	4.1	1.6	4.3	2.7	2.2	2.7	3.6	3.3	3.6	0.7
forestry	0.1	0.3	0.0	0.0	0.1	0.0	0.0	0.4	0.7	0.7	0.6
law enforcement	0.8	0.3	0.8	1.3	0.5	0.2	0.9	0.9	2.0	2.1	1.6
military science	0.3	0.3	0.0	0.2	0.4	0.8	0.0	0.0	0.2	0.2	0.8
other fields	1.1	2.0	0.1	0.6	1.1	0.6	0.3	2.4	3.1	2.4	7.7
undecided	7.1	6.9	7.4	7.4	6.9	7.4	7.6	5.5	3.0	2.8	4.9

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (disaggregated)											
ARTS & HUMANITIES											
arts	1.8	1.1	0.8	1.6	3.3	4.7	1.5	2.0	1.8	1.1	6.8
English	3.3	2.4	4.9	2.8	4.5	5.6	6.3	1.6	0.4	0.4	0.4
history	2.1	1.0	4.6	1.4	3.6	4.8	1.4	2.9	0.6	0.7	0.0
journalism	2.0	3.2	2.6	1.0	1.7	2.6	1.8	0.1	0.8	0.7	1.7
language or literature	0.9	0.9	1.9	0.4	1.2	2.0	0.6	0.4	0.1	0.1	0.0
music	0.6	0.7	1.0	0.3	0.9	0.4	0.0	2.3	0.2	0.1	0.6
philosophy	0.4	0.3	0.7	0.1	0.7	1.0	0.4	0.3	0.2	0.0	1.6
speech	0.5	0.5	0.3	0.6	0.3	0.3	0.2	0.2	0.3	0.3	0.0
theater or drama	0.5	0.5	0.3	0.7	0.4	0.4	0.2	0.6	0.4	0.5	0.0
theology or religion	0.3	0.0	0.4	0.4	0.5	0.2	0.9	0.7	0.1	0.0	0.5
other humanities	0.8	0.9	1.1	0.7	0.6	0.8	0.6	0.2	1.7	1.9	0.4
BIOLOGICAL SCIENCES											
general biology	2.7	2.3	4.9	1.8	3.7	3.3	3.5	4.5	1.9	1.6	4.0
biochemistry or biophysics	0.3	0.5	0.6	0.1	0.3	0.3	0.4	0.2	0.0	0.0	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.2	0.0	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0
microbiology or bacteriology	0.2	0.3	0.2	0.1	0.3	0.0	0.1	0.7	0.3	0.4	0.0
zoology	0.2	0.3	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.6
other biological sciences	0.3	0.5	0.6	0.2	0.2	0.2	0.1	0.1	1.2	1.2	0.7
BUSINESS											
accounting	5.3	5.1	4.3	5.6	5.6	5.8	7.1	4.3	6.9	7.1	5.8
business administration	4.8	2.8	2.4	5.7	6.6	4.0	8.3	10.2	6.1	6.2	5.6
finance	3.9	4.4	5.1	4.0	2.7	2.9	2.6	2.3	1.9	1.7	3.0
marketing	4.8	5.1	5.5	5.0	4.0	4.9	4.1	2.3	3.8	3.8	3.2
management	5.8	4.4	1.4	6.2	8.0	9.7	6.2	6.3	4.9	4.9	5.5
secretarial studies	0.3	0.3	0.0	0.4	0.4	0.4	1.0	0.0	3.7	4.2	0.8
other business	1.6	1.6	1.2	2.6	0.6	0.5	1.1	0.5	1.1	1.1	1.2
EDUCATION											
business education	0.3	0.1	0.0	0.6	0.3	0.3	0.0	0.6	0.1	0.1	0.3
elementary education	4.5	3.8	2.4	6.1	3.8	1.7	6.8	5.4	5.2	5.1	5.9
music or art education	0.6	0.6	0.1	0.9	0.5	0.5	0.1	0.6	0.0	0.0	0.0
physical education or recreation	1.5	1.2	0.7	1.9	1.6	0.8	0.4	3.8	1.0	1.0	1.0
secondary education	1.4	2.1	0.5	1.6	0.7	0.5	0.7	1.2	1.4	1.6	0.5
special education	0.7	0.9	0.1	0.9	0.6	0.1	2.1	0.3	1.7	1.6	2.4
other education	0.7	0.6	0.3	1.1	0.5	0.3	1.1	0.4	1.2	0.9	2.8
ENGINEERING											
aeronautical/astronautical eng.	0.4	0.5	0.1	0.6	0.1	0.2	0.0	0.0	0.2	0.1	0.3
civil engineering	0.9	1.2	1.3	1.1	0.3	0.5	0.3	0.2	1.2	1.3	0.3
chemical engineering	0.4	0.8	0.6	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.0
electrical engineering	2.5	3.2	3.9	2.3	1.6	2.4	1.9	0.2	3.7	4.2	0.2
industrial engineering	0.6	0.9	1.0	0.7	0.1	0.1	0.0	0.0	0.6	0.7	0.6
mechanical engineering	1.7	2.8	2.2	1.1	1.0	1.6	1.1	0.1	2.1	2.2	1.3
other engineering	0.8	1.3	1.4	0.7	0.2	0.3	0.1	0.1	0.9	0.9	0.6

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (continued)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	1.2	1.0	1.3	1.1	1.4	1.3	1.4	1.5	0.4	0.5	0.0
earth science	0.2	0.3	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0
marine science	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	1.6	1.5	2.4	1.9	1.2	1.3	1.3	1.0	0.9	0.8	1.1
physics	0.5	0.2	0.6	0.8	0.3	0.4	0.1	0.2	0.3	0.3	0.0
statistics	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0
other physical sciences	0.2	0.5	0.6	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.0
PROFESSIONAL											
architecture	0.6	0.9	1.0	0.4	0.4	0.3	0.0	0.8	1.0	1.2	0.0
home economics	0.6	1.0	0.3	0.6	0.1	0.1	0.2	0.1	0.3	0.4	0.0
health technology	0.8	0.9	0.4	0.9	0.8	0.8	1.2	0.6	0.9	1.0	0.6
library science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	2.6	3.0	1.5	2.4	2.9	3.0	4.7	1.8	3.2	3.4	2.1
pharmacy	0.5	0.8	0.1	0.3	0.5	0.8	0.6	0.0	0.3	0.2	0.8
premed,predent,prevet	0.4	0.2	0.9	0.4	0.3	0.1	0.6	0.5	0.4	0.3	1.1
therapy	1.3	2.0	1.4	1.0	1.0	0.7	0.9	1.6	1.4	0.9	4.6
other professional	0.7	0.8	0.0	0.9	0.7	0.4	1.7	0.6	2.4	1.9	5.4
SOCIAL SCIENCES											
anthropology	0.3	0.3	0.8	0.2	0.2	0.4	0.2	0.0	0.1	0.1	0.0
economics	2.3	2.7	6.1	1.2	2.1	2.4	1.4	2.0	0.9	1.0	0.9
ethnic studies	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
geography	0.4	0.3	0.1	0.7	0.1	0.1	0.1	0.0	0.4	0.4	0.4
political science	3.5	2.9	7.5	2.5	4.2	4.5	5.0	3.2	1.0	1.1	0.7
psychology	5.2	6.2	4.3	4.3	5.7	5.6	2.8	7.6	3.1	3.4	1.8
social work	1.2	0.9	0.8	0.7	2.4	1.4	1.1	4.9	1.0	1.0	0.6
sociology	1.7	1.1	1.2	1.2	3.2	1.4	2.6	6.7	1.0	1.0	1.1
women's studies	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.6	0.6	0.8	0.6	0.5	0.4	0.6	0.6	1.4	1.6	0.0
OTHER TECHINCAL											
building trades	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.6	0.7	0.4
data processing	1.2	1.0	0.6	1.2	1.7	1.9	0.9	1.9	2.0	2.2	1.3
drafting or design	0.3	0.1	0.0	0.6	0.3	0.3	0.2	0.2	1.1	1.2	0.3
electronics	0.3	0.0	0.1	0.5	0.3	0.2	0.0	0.6	0.6	0.7	0.0
mechanics	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	1.3	1.5	0.0
other technical	0.3	0.4	0.1	0.2	0.4	0.7	0.0	0.1	2.4	1.4	9.2
OTHER											
agriculture	0.7	1.7	0.0	0.6	0.2	0.0	0.2	0.4	1.2	1.3	0.0
communications	3.8	4.3	2.3	4.9	2.4	2.2	4.1	1.8	3.7	3.9	2.5
computer science	2.6	2.0	1.4	3.3	2.5	2.9	1.6	2.4	1.0	1.2	0.3
forestry	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0
law enforcement	0.7	0.6	0.8	0.6	0.8	0.6	0.6	1.3	2.1	2.1	1.9
military science	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.3	0.4	0.0
other fields	1.6	1.4	1.4	2.4	0.9	0.8	1.6	0.7	3.6	3.8	2.4
undecided	0.6	0.7	0.3	0.7	0.5	0.3	0.3	0.9	0.9	0.8	1.8

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Attending Classes/Lab Sessions											
none	1.4	1.0	1.0	1.6	1.6	1.2	1.5	2.5	3.4	3.1	5.1
less than one	0.9	1.0	0.1	0.8	1.3	1.9	0.0	0.9	1.7	1.8	1.1
1 - 2	3.3	2.4	1.2	3.0	5.3	5.3	2.3	6.8	5.5	5.7	3.5
3 - 5	7.1	5.9	6.0	6.6	9.2	10.5	5.8	9.0	8.7	8.7	8.7
6 - 10	12.3	12.8	16.8	10.4	13.0	13.1	11.8	13.6	12.1	12.4	10.1
11 - 15	33.0	35.4	38.8	31.4	30.6	31.6	28.2	30.5	23.4	22.6	28.8
16 - 20	28.5	27.3	27.0	31.8	25.9	21.6	37.5	26.6	23.7	23.4	25.8
more than 20	13.5	14.2	9.1	14.5	13.0	14.8	12.9	10.1	21.6	22.2	16.8
Studying/Doing Homework											
none	0.2	0.1	0.1	0.4	0.0	0.0	0.0	0.0	0.3	0.1	1.5
less than one	1.1	0.7	1.0	1.4	1.2	1.2	1.5	0.8	1.6	1.7	1.4
1 - 2	7.2	7.8	3.2	7.5	7.5	9.0	3.6	7.3	6.2	6.3	5.0
3 - 5	21.2	18.2	15.9	23.1	23.5	22.9	25.9	23.2	19.3	19.1	20.3
6 - 10	28.4	28.3	31.4	27.0	29.3	29.8	29.2	28.4	31.8	32.3	28.4
11 - 15	18.9	21.5	19.1	18.8	16.2	14.5	14.3	20.2	18.8	17.9	25.1
16 - 20	12.4	12.3	14.9	11.7	12.6	13.2	16.0	9.7	10.1	10.1	10.2
more than 20	10.7	11.1	14.4	10.2	9.7	9.3	9.5	10.5	12.0	12.5	8.1
Socializing with Friends											
none	0.1	0.3	0.2	0.1	0.0	0.0	0.2	0.0	0.3	0.2	0.7
less than one	1.8	1.2	0.9	1.5	3.0	4.1	4.2	0.3	5.7	5.8	5.0
1 - 2	5.7	4.8	2.8	7.9	4.7	4.5	5.8	4.6	7.8	7.4	11.0
3 - 5	17.6	16.8	11.7	20.5	16.8	17.3	17.0	16.0	22.5	22.7	21.0
6 - 10	27.0	27.5	25.1	27.7	26.0	24.6	27.8	27.4	22.7	21.2	33.9
11 - 15	17.7	18.8	21.9	15.3	18.4	19.7	14.1	18.8	14.3	14.2	14.6
16 - 20	11.0	12.0	16.4	8.6	11.3	11.0	12.1	11.3	10.6	11.2	5.8
more than 20	19.0	18.6	21.0	18.4	19.7	18.9	18.8	21.6	16.1	17.2	8.1
Talk with Faculty Outside Class											
none	9.7	13.7	8.1	7.0	9.3	10.7	5.0	9.5	15.3	16.2	8.5
less than one	40.2	44.7	45.2	39.7	34.4	36.5	38.0	28.8	36.7	36.3	40.0
1 - 2	33.9	29.8	34.1	35.3	36.4	34.4	35.0	40.7	30.2	29.2	37.5
3 - 5	12.8	9.3	10.8	14.0	15.5	14.6	17.3	16.0	15.1	15.7	10.7
6 - 10	2.6	1.8	1.5	3.1	3.3	3.0	4.1	3.5	1.9	1.7	3.3
11 - 15	0.6	0.6	0.2	0.7	0.7	0.3	0.5	1.4	0.2	0.3	0.0
16 - 20	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.0	0.4	0.4	0.0
more than 20	0.1	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.2	0.3	0.0
Exercising/Sports											
none	6.6	7.0	4.2	8.1	5.0	5.0	3.8	5.5	9.2	9.5	6.6
less than one	12.3	11.2	11.4	14.4	11.0	10.9	13.5	9.8	14.6	14.5	15.8
1 - 2	21.1	21.1	18.7	20.1	23.1	23.8	17.8	24.9	25.7	25.6	26.2
3 - 5	30.2	32.0	34.5	28.5	29.1	29.7	30.6	27.1	27.9	28.6	23.2
6 - 10	16.9	19.1	18.3	14.5	17.3	15.7	18.2	19.4	13.8	13.1	18.3
11 - 15	6.6	5.0	6.7	7.1	7.5	6.8	10.2	7.1	5.7	5.6	6.4
16 - 20	2.4	2.3	2.3	2.6	2.3	2.4	2.2	2.2	1.5	1.5	1.0
more than 20	3.9	2.3	3.8	4.6	4.8	5.6	3.6	4.0	1.6	1.5	2.5

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Reading for Pleasure											
none	22.1	24.9	24.1	21.7	19.0	18.5	21.9	18.2	20.1	20.0	21.0
less than one	29.1	29.5	23.5	29.5	29.8	29.0	33.4	29.2	27.5	26.8	32.4
1 - 2	25.1	25.1	29.2	23.0	26.5	25.3	25.2	29.2	26.3	26.0	28.4
3 - 5	16.1	13.9	13.8	18.3	16.2	17.9	13.3	15.0	13.5	13.6	12.8
6 - 10	5.4	3.8	6.8	5.5	6.3	6.7	5.2	6.4	6.5	7.1	1.7
11 - 15	1.0	1.8	1.6	0.6	0.5	0.5	0.7	0.5	1.9	2.0	0.8
16 - 20	0.4	0.1	0.5	0.0	1.1	1.8	0.2	0.4	0.5	0.4	0.8
more than 20	0.9	0.8	0.5	1.3	0.5	0.3	0.1	1.1	3.8	4.0	2.1
Using a Personal Computer											
none	37.5	41.3	28.5	35.9	38.5	39.4	42.3	34.7	47.2	45.8	57.5
less than one	17.1	15.8	16.5	18.8	16.4	14.2	15.8	20.5	18.9	19.5	13.9
1 - 2	16.8	16.2	19.3	18.0	15.3	13.5	12.2	20.1	12.7	13.6	6.0
3 - 5	13.4	12.2	19.5	11.6	15.0	15.3	16.1	13.7	11.1	10.9	12.9
6 - 10	8.0	7.8	9.8	7.6	8.0	8.8	9.5	5.9	5.9	6.0	4.9
11 - 15	3.5	3.6	3.6	4.3	2.3	2.9	1.3	2.0	1.8	1.8	2.0
16 - 20	1.7	1.3	1.1	1.8	2.3	3.2	1.3	1.4	1.1	0.9	2.4
more than 20	2.0	1.8	1.7	2.1	2.2	2.7	1.5	1.8	1.4	1.5	0.4
Partying											
none	13.2	11.8	11.1	15.8	12.2	11.0	14.9	12.5	16.2	15.1	24.0
less than one	11.7	10.2	7.9	13.5	12.0	10.4	11.4	15.0	13.8	13.7	14.4
1 - 2	15.4	13.8	15.5	15.6	16.8	18.0	15.6	15.5	13.3	13.0	15.5
3 - 5	25.7	27.8	25.4	24.7	24.9	25.0	23.5	25.6	21.8	21.6	23.3
6 - 10	16.0	17.5	18.9	13.1	17.4	17.6	18.0	16.6	19.9	20.8	12.8
11 - 15	8.9	9.1	10.0	8.2	9.2	10.2	7.7	8.3	6.2	6.5	4.0
16 - 20	4.4	4.3	6.2	5.0	3.0	2.3	3.6	4.0	5.2	5.5	2.8
more than 20	4.7	5.4	5.0	4.1	4.6	5.5	5.4	2.5	3.7	3.7	3.2
Working (for Pay)											
none	25.8	26.1	32.9	26.2	22.9	23.1	21.8	23.4	34.9	36.6	22.5
less than one	2.1	1.5	1.6	1.0	4.2	5.3	0.9	4.1	2.3	2.3	2.0
1 - 2	2.1	1.6	2.2	1.9	2.7	2.2	4.2	2.7	1.7	1.7	1.7
3 - 5	6.3	5.4	6.8	5.1	8.4	7.1	5.6	12.4	9.8	10.8	2.3
6 - 10	12.3	11.7	16.5	9.4	15.5	14.7	13.5	17.9	10.4	9.9	14.1
11 - 15	12.7	13.5	14.3	11.8	12.6	12.6	15.0	11.2	9.1	9.0	9.8
16 - 20	15.2	17.6	11.7	16.3	12.3	13.8	13.2	9.0	10.1	9.8	12.7
more than 20	23.5	22.5	13.9	28.3	21.4	21.2	25.6	19.3	21.8	20.0	34.8
Volunteer Work											
none	65.0	69.2	63.1	63.9	62.6	67.7	59.6	55.8	74.1	74.5	71.1
less than one	11.5	11.0	11.5	11.1	12.6	11.1	14.0	14.3	8.6	8.4	10.1
1 - 2	11.8	9.7	13.0	12.4	12.9	9.8	12.8	18.0	8.3	8.1	9.6
3 - 5	5.8	5.1	7.3	5.7	6.1	6.2	5.8	6.0	3.9	3.7	5.5
6 - 10	3.5	2.6	2.8	4.6	3.5	3.7	3.2	3.3	2.6	2.8	1.7
11 - 15	1.0	1.4	0.5	1.0	0.9	0.7	2.2	0.5	0.8	0.7	1.7
16 - 20	0.6	0.4	0.6	0.7	0.6	0.3	0.7	0.9	0.5	0.6	0.0
more than 20	0.7	0.7	1.2	0.5	0.9	0.5	1.7	1.3	1.1	1.2	0.3

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ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Student Clubs/Groups											
none	44.7	48.2	35.4	45.9	42.4	41.2	43.0	44.2	57.6	57.5	58.3
less than one	12.9	11.5	7.8	14.5	14.0	15.5	11.9	12.6	12.0	11.8	13.5
1 - 2	17.6	17.3	21.5	16.4	18.2	17.2	22.3	17.6	14.9	14.7	15.8
3 - 5	13.6	13.3	19.3	11.5	14.9	16.3	12.7	13.6	8.6	8.6	8.7
6 - 10	6.9	6.0	9.1	8.1	5.5	3.8	6.7	7.7	5.8	6.3	2.3
11 - 15	2.0	1.4	3.1	1.6	2.7	2.9	1.8	2.8	0.6	0.6	0.2
16 - 20	0.9	0.9	1.7	0.9	0.7	0.8	0.9	0.4	0.3	0.3	0.0
more than 20	1.5	1.3	2.2	1.3	1.6	2.3	0.6	1.1	0.4	0.3	1.1
Watching TV											
none	7.0	5.8	10.1	6.2	8.5	9.0	6.4	8.9	6.4	6.4	6.4
less than one	13.2	10.4	12.6	12.5	17.3	19.1	13.1	16.8	10.3	10.5	9.2
1 - 2	21.8	20.0	21.1	23.9	21.3	21.9	19.5	21.2	23.0	23.0	22.4
3 - 5	26.3	26.7	30.8	26.3	24.3	22.5	32.3	22.9	27.3	26.5	33.3
6 - 10	18.4	22.6	17.3	16.7	16.5	15.1	17.1	18.6	16.6	16.3	18.9
11 - 15	6.1	7.3	4.7	5.8	5.6	6.3	3.5	5.8	7.0	7.0	6.9
16 - 20	3.4	3.8	2.0	3.5	3.1	4.5	2.4	1.1	2.3	2.7	0.0
more than 20	3.8	3.4	1.3	5.0	3.2	1.5	5.8	4.7	7.2	7.7	2.9
Commuting to Campus											
none	39.2	33.9	48.0	37.0	44.7	46.7	37.9	45.3	29.8	29.3	33.3
less than one	19.1	20.8	18.6	17.9	18.8	15.3	21.2	23.3	14.5	14.2	16.6
1 - 2	16.5	18.3	15.1	17.2	14.3	14.7	15.5	12.9	21.4	21.8	17.7
3 - 5	14.3	17.5	9.8	15.6	10.8	10.7	12.7	9.8	16.4	16.1	19.0
6 - 10	7.6	7.1	6.3	9.1	6.7	7.1	7.5	5.4	11.1	11.3	10.0
11 - 15	1.9	1.8	1.8	1.4	2.7	3.3	2.2	2.0	1.9	1.9	2.0
16 - 20	0.6	0.2	0.3	1.0	0.8	0.6	1.5	0.9	0.7	0.6	0.8
more than 20	0.8	0.5	0.0	0.9	1.2	1.6	1.6	0.4	4.2	4.7	0.5
Religious Services/Meetings											
none	52.4	56.4	55.8	50.6	49.4	53.2	37.6	49.6	56.7	58.7	41.7
less than one	17.8	18.3	18.6	16.9	18.1	17.8	18.7	18.3	16.8	16.5	19.2
1 - 2	23.2	19.3	18.7	26.0	25.1	21.9	36.4	24.0	21.8	20.4	31.7
3 - 5	4.4	4.4	5.3	4.3	4.4	3.5	4.4	6.0	3.4	3.0	6.6
6 - 10	1.2	1.0	1.3	1.0	1.7	1.6	1.5	1.9	0.8	0.8	0.8
11 - 15	0.5	0.3	0.1	0.7	0.3	0.4	0.4	0.1	0.2	0.3	0.0
16 - 20	0.4	0.2	0.1	0.4	0.8	1.6	0.0	0.0	0.2	0.2	0.0
more than 20	0.1	0.1	0.0	0.1	0.2	0.0	1.0	0.1	0.1	0.1	0.0
Hobbies											
none	21.0	22.5	25.0	18.8	21.1	23.5	17.1	19.2	21.4	21.1	23.7
less than one	21.2	21.1	22.1	23.3	18.3	16.0	27.7	16.8	19.5	19.4	20.0
1 - 2	26.3	27.1	25.8	23.3	29.3	29.5	25.5	31.1	26.2	25.4	31.9
3 - 5	20.3	19.9	18.5	21.7	19.3	17.5	20.1	21.8	19.7	19.8	18.9
6 - 10	6.3	5.1	4.7	7.2	7.0	6.4	6.4	8.4	8.6	9.5	2.1
11 - 15	3.0	2.3	2.1	4.1	2.6	3.9	1.9	1.0	2.3	2.4	1.5
16 - 20	0.8	0.7	0.6	0.8	0.8	0.6	0.6	1.2	0.9	0.9	1.4
more than 20	1.2	1.2	1.2	0.9	1.7	2.6	0.9	0.6	1.5	1.6	0.6

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1984	95.5	97.4	98.9	93.9	94.3	92.9	98.1	94.7	89.4	88.5	97.6
1983	2.3	1.3	0.8	3.8	2.0	0.7	0.4	5.3	4.2	4.5	0.8
1982	1.0	0.5	0.3	0.6	2.2	4.0	0.0	0.0	1.5	1.6	0.2
1981 or earlier	1.1	0.7	0.0	1.3	1.5	2.4	1.2	0.0	3.7	3.9	1.4
H.S. equivalency (G.E.D. test)	0.2	0.0	0.0	0.5	0.0	0.0	0.3	0.0	1.3	1.4	0.0
never completed high school	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age on December 31, 1988											
20 or younger	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
21	2.5	2.4	4.1	2.2	2.4	3.2	2.5	0.9	1.3	1.0	4.8
22	71.3	75.3	79.7	69.6	66.2	69.0	71.0	58.8	68.2	68.4	65.8
23	22.5	20.8	15.8	22.5	26.7	23.4	24.5	33.7	22.8	22.9	22.1
24	1.6	0.8	0.3	1.3	3.1	2.0	0.2	6.6	1.3	0.9	4.8
25-28	1.5	0.2	0.0	4.1	0.2	0.3	0.2	0.0	5.1	5.5	1.4
29-33	0.5	0.5	0.0	0.2	1.1	2.1	0.0	0.0	0.7	0.8	0.0
34-43	0.1	0.0	0.0	0.0	0.2	0.0	1.6	0.0	0.4	0.3	1.2
44-58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	88.1	94.9	92.5	82.4	86.5	78.0	96.4	96.7	94.4	94.7	91.4
Black/Negro/Afro-American	7.8	1.8	3.2	12.7	9.6	16.7	0.8	1.3	2.9	2.8	3.3
American Indian	0.7	0.0	0.2	1.7	0.6	0.5	1.2	0.4	0.5	0.5	1.0
Asian-American/Oriental	2.4	1.2	2.7	3.3	2.5	4.0	0.9	0.5	1.5	1.3	3.0
Mexican-American/Chicano	0.7	1.0	2.1	0.4	0.5	0.2	1.1	0.8	0.5	0.4	1.3
Puerto Rican-American	0.2	0.2	0.6	0.1	0.4	0.6	0.8	0.0	0.0	0.0	0.0
other	1.2	1.3	1.4	1.5	0.8	0.5	0.0	1.6	0.7	0.8	0.0
Type of High School											
public	80.8	81.4	64.6	91.2	72.6	73.8	55.9	79.0	87.4	87.9	82.9
private (denominational)	14.4	12.8	23.3	6.7	22.7	20.7	41.0	16.8	11.5	11.1	15.2
private (nondenominational)	4.6	5.6	11.8	1.9	4.5	5.3	2.4	4.1	0.7	0.6	1.9
other	0.2	0.3	0.2	0.2	0.2	0.2	0.7	0.0	0.3	0.4	0.0
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	93.1	93.0	97.6	90.1	95.4	95.7	96.6	94.3	94.6	94.9	91.8
mathematics (3 years)	92.1	91.9	97.6	88.4	95.1	97.1	92.9	92.8	84.2	85.5	71.7
foreign language (2 years)	70.5	72.9	87.3	61.4	73.5	80.3	82.9	56.6	48.9	48.9	49.4
physical science (2 years)	63.7	63.6	72.8	61.9	62.7	65.8	64.3	56.6	59.0	59.9	50.5
biological science (2 years)	31.7	29.9	35.3	35.4	27.6	24.2	29.0	33.2	31.0	31.4	26.5
history/Amer govt (1 year)	99.2	99.7	99.8	98.5	99.5	99.2	99.7	100.0	99.5	99.7	97.5
other social studies (1 year)	63.3	62.6	70.8	58.7	67.5	67.9	72.3	64.4	63.9	62.6	76.1
computer science (1/2 year)	61.8	67.0	66.6	58.5	58.4	56.3	61.6	60.3	54.7	56.5	37.7
art or music (1 year)	55.6	49.2	48.5	58.5	61.8	64.1	59.3	59.0	60.8	62.3	46.3

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	11.5	14.3	22.2	8.2	8.9	9.4	9.4	7.9	3.4	3.5	2.1
A-	11.5	13.7	21.4	9.0	9.1	8.9	11.6	8.1	5.6	5.5	6.3
B+	19.0	21.7	27.4	17.1	15.6	15.5	18.0	14.8	15.9	17.1	4.9
B	21.1	22.4	15.4	22.1	20.6	21.1	21.2	19.4	20.1	20.7	14.9
B-	14.4	13.2	9.1	13.7	18.3	18.2	25.6	14.8	19.3	18.6	24.8
C+	15.5	11.0	4.3	22.9	14.8	13.9	9.9	19.0	20.7	20.2	24.3
C	6.4	3.8	0.3	5.8	12.0	12.3	3.0	16.1	14.2	13.3	22.7
D	0.5	0.0	0.0	1.1	0.6	0.8	1.2	0.0	0.8	0.9	0.0
Average Undergraduate Grade											
A	5.0	4.9	8.2	2.6	6.9	8.5	6.8	4.2	2.7	2.6	3.7
B+,A-	20.3	19.1	29.0	19.4	19.8	17.5	20.7	23.3	12.9	12.5	16.7
B	33.9	37.4	34.4	31.6	32.7	32.1	34.6	32.8	41.0	42.5	27.5
C+,B-	29.0	28.5	21.0	33.3	26.6	27.2	30.3	23.8	24.6	24.2	27.5
C	9.0	6.6	6.8	9.4	11.9	12.1	6.8	14.1	14.1	13.9	15.5
C- or less	2.9	3.5	0.7	3.7	2.1	2.6	0.8	1.8	4.7	4.3	9.0
Degree Aspirations in 1984											
none	0.8	0.3	0.3	0.9	1.4	1.6	1.3	0.9	0.2	0.2	0.0
vocational certificate	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	3.0	3.0	2.3
associate (A.A. or equivalent)	0.4	0.1	0.0	0.3	1.1	1.4	0.0	1.0	11.9	11.4	15.7
bachelor's (B.A., B.S., etc.)	34.6	35.9	15.5	41.0	32.7	29.7	30.5	39.8	44.1	45.1	36.0
master's (M.A., M.S., etc.)	34.9	37.2	34.1	34.6	32.9	36.9	30.2	26.5	21.8	20.2	34.7
Ph.D. or Ed.D	12.2	12.0	17.1	12.1	10.4	9.7	18.9	6.9	12.5	13.7	2.2
M.D., D.O., D.D.S., D.V.M	8.0	8.1	15.9	5.8	7.6	6.5	9.0	8.9	0.7	0.6	2.0
J.D. or LL.B. (law)	5.3	4.1	15.0	3.6	5.0	4.6	4.3	6.1	2.2	2.2	1.8
B.D. or M.Div. (divinity)	0.3	0.1	0.3	0.0	0.8	0.2	3.3	0.3	2.3	2.6	0.0
other	3.4	2.2	1.8	1.2	8.3	9.4	2.6	9.5	1.3	0.9	5.3
Highest Degree Earned by 1988											
none	45.1	54.6	25.0	51.4	33.7	27.7	35.7	43.0	39.7	39.5	41.2
vocational certificate	1.3	1.3	1.6	1.6	0.9	1.5	0.4	0.1	4.6	4.4	6.5
associate (A.A. or equivalent)	8.2	5.1	3.6	8.7	12.5	14.6	5.8	12.2	32.6	32.6	32.6
bachelor's (B.A., B.S., etc.)	43.1	37.8	69.6	36.8	47.2	46.3	57.1	43.6	22.3	22.7	19.0
master's (M.A., M.S., etc.)	0.2	0.1	0.0	0.4	0.2	0.0	0.6	0.4	0.0	0.0	0.0
Ph.D. or Ed.D	0.1	0.0	0.0	0.1	0.3	0.6	0.0	0.0	0.0	0.0	0.0
M.D., D.O., D.D.S., D.V.M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J.D. or LL.B. (law)	0.6	0.0	0.0	0.0	2.2	3.9	0.0	0.4	0.1	0.0	0.6
B.D. or M.Div. (divinity)	0.1	0.0	0.2	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0
other	1.3	1.1	0.0	0.9	2.6	4.6	0.4	0.3	0.7	0.8	0.0
Degree Aspirations in 1988											
none	2.9	2.0	2.2	4.6	1.8	2.7	1.7	0.4	5.8	6.2	1.0
vocational certificate	0.5	0.6	0.0	0.5	0.6	0.7	0.0	0.6	2.4	2.6	0.0
associate (A.A. or equivalent)	0.9	1.1	0.0	1.1	0.6	0.0	0.3	1.8	7.6	7.0	14.1
bachelor's (B.A., B.S., etc.)	36.1	37.9	15.8	38.6	38.2	35.7	32.7	44.7	39.9	39.3	46.7
master's (M.A., M.S., etc.)	35.0	34.4	39.3	35.0	34.0	35.9	37.2	29.5	27.6	27.5	27.8
Ph.D. or Ed.D	13.5	13.9	16.0	12.7	13.3	13.0	15.1	13.1	6.3	6.8	1.5
M.D., D.O., D.D.S., D.V.M	3.4	3.5	8.7	2.1	3.2	2.8	4.4	3.4	7.0	7.1	6.0
J.D. or LL.B. (law)	6.2	5.0	16.6	3.6	7.1	8.6	6.7	4.7	1.2	1.3	0.0
B.D. or M.Div. (divinity)	0.3	0.2	0.3	0.3	0.5	0.2	1.4	0.5	0.3	0.4	0.0
other	1.2	1.2	1.3	1.4	0.7	0.4	0.5	1.3	1.9	1.8	2.9

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College Was Student's											
first choice	69.5	76.3	73.3	64.1	67.8	66.5	68.1	69.9	76.7	76.4	79.4
second choice	22.7	17.2	18.5	27.9	23.5	23.5	19.5	25.6	18.6	19.2	13.8
third choice	5.5	4.6	5.7	4.6	7.3	8.7	9.8	3.6	3.3	3.4	1.8
less than third choice	2.3	1.8	2.4	3.4	1.4	1.3	2.5	0.9	1.4	1.0	5.0
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	67.0	68.3	74.1	62.5	69.0	69.3	64.4	70.8	79.3	79.3	79.0
humanities courses	71.4	73.2	77.1	67.0	72.9	71.3	75.4	74.6	72.2	70.6	86.0
social science courses	66.3	67.5	70.2	62.8	68.1	68.4	64.0	69.4	71.2	70.4	78.9
courses in major field	80.8	81.9	85.3	78.1	81.2	77.5	83.6	86.5	85.6	86.6	74.9
general education requirements	61.0	58.4	70.0	57.4	65.3	62.6	63.9	71.4	59.1	58.0	69.7
relevance of coursework to life	47.2	40.1	54.7	43.6	56.7	55.2	58.4	58.6	57.5	57.6	56.7
overall quality of instruction	69.4	67.6	81.7	63.4	74.6	73.0	73.9	77.8	79.1	79.0	80.2
lab facilities and equipment	56.5	61.2	63.2	51.6	55.5	54.8	57.2	55.9	71.5	72.3	63.5
library facilities	70.0	85.7	71.7	63.8	60.3	59.2	54.2	65.5	77.2	78.6	64.0
computer facilities	70.4	74.0	72.4	73.2	62.3	59.2	64.2	67.3	69.4	70.4	60.4
oppty for interdisciplin courses	50.2	48.8	63.3	42.0	57.1	57.9	51.0	59.3	39.5	37.6	55.9
oppty to talk to professors	73.9	67.9	76.9	69.4	84.8	85.4	77.8	87.7	69.9	68.2	87.3
oppty for extracurr activities	76.1	82.8	78.7	66.0	80.5	80.2	78.9	81.8	71.1	70.3	79.4
campus social life	60.6	73.9	56.1	50.9	59.8	59.7	55.4	62.2	65.0	64.1	73.8
regulations on campus life	37.6	41.7	44.8	33.6	35.6	34.5	35.6	37.5	37.2	36.4	44.7
academic tutoring or assistance	54.3	41.7	53.0	58.7	62.7	61.6	61.2	65.1	60.4	58.8	74.5
academic advising	44.4	37.3	39.7	43.2	55.7	52.2	56.3	61.3	54.7	53.4	66.9
career counseling and advising	45.5	39.0	43.7	45.5	53.1	47.7	52.3	64.0	50.9	50.1	58.0
student housing	50.0	56.3	52.0	43.9	50.0	49.9	54.5	47.9	52.0	50.3	63.9
financial aid services	44.1	34.6	47.7	47.1	48.7	43.4	49.4	57.1	57.8	57.4	61.8
contact with faculty and admin	59.6	47.1	64.2	58.7	72.6	66.2	72.5	84.2	68.4	66.9	82.9
relations with faculty & admin	58.5	49.5	64.7	54.8	70.2	65.6	73.1	76.9	71.5	70.6	79.5
oppty to attend films,concerts	70.3	79.8	72.1	63.8	67.7	67.5	66.1	68.7	61.8	60.6	71.9
job placement services	44.2	49.2	52.8	35.9	46.7	47.4	42.6	47.4	42.8	43.5	37.4
campus health services	56.9	63.7	56.2	57.8	48.7	42.7	53.1	58.6	54.2	54.6	50.5
overall college experience	74.6	75.8	82.3	71.2	74.9	71.7	79.4	78.4	78.0	77.8	79.9
Enroll at Freshman College Again											
definitely yes	31.0	37.4	38.5	22.2	32.5	33.3	32.6	31.2	43.2	43.8	38.4
probably yes	31.1	32.4	35.6	30.9	28.3	26.7	30.1	30.3	34.0	33.9	35.3
don't know	4.7	3.3	3.8	4.6	6.7	8.9	5.0	3.5	3.3	3.0	5.7
probably not	22.0	16.4	16.2	30.7	19.0	17.3	13.3	24.8	11.0	11.4	7.1
definitely not	11.3	10.5	6.0	11.6	13.5	13.8	19.0	10.3	8.5	7.9	13.5
Plans for Fall 1988											
attend college full-time	39.7	47.2	25.1	42.2	33.4	27.9	33.3	43.4	32.2	31.0	43.7
attend college part-time	8.8	6.7	5.6	10.3	10.3	11.7	12.5	6.6	8.9	9.2	6.2
attend graduate school	11.5	11.6	20.7	10.0	10.0	8.5	11.2	12.1	9.9	10.4	5.9
attend vocational program	0.9	0.9	0.8	0.5	1.4	1.7	1.7	0.9	0.8	0.7	1.6
work full-time	45.0	40.0	48.9	42.5	52.2	55.5	59.1	42.8	51.8	51.1	58.1
work part-time	21.4	25.2	15.9	22.4	18.0	13.4	29.4	20.2	18.5	18.3	20.5
serve in Armed Forces	5.6	3.3	4.0	9.7	3.3	4.7	1.4	1.7	6.6	7.0	3.2
travel	4.8	4.6	7.4	5.0	3.8	3.6	5.6	3.5	5.9	6.1	4.0
do volunteer work	4.7	3.7	5.5	5.2	4.9	4.0	3.9	6.9	3.7	3.7	3.5
stay at home	5.5	5.9	3.8	6.0	5.1	3.4	4.0	8.7	5.5	5.5	6.1

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Took Time Off, Withdrew or Transferred											
no	64.6	66.6	78.3	62.0	60.8	62.4	63.0	56.5	55.6	59.1	24.9
transferred	17.7	17.3	10.3	15.6	23.3	16.9	27.0	33.0	16.5	14.4	35.5
withdrew	10.2	6.9	3.9	14.0	11.4	16.6	4.1	5.7	13.9	12.9	23.0
leave of absence	7.6	9.3	7.5	8.5	4.6	4.0	5.9	4.8	13.9	13.6	16.6
Reasons Noted as Very Important for Taking Time Off (4)											
changed career plans	28.7	27.9	13.6	32.4	27.8	31.9	17.3	25.9	22.6	20.3	*35.3*
couldn't afford college	18.4	17.7	17.9	17.2	20.8	18.7	16.0	26.1	17.6	16.5	*23.6*
didn't "fit in"	14.5	15.0	12.9	13.5	15.6	14.0	12.0	19.6	10.3	10.8	*7.8*
family responsibilities	7.5	7.4	4.7	4.7	11.4	8.8	0.8	20.1	20.9	23.4	*7.9*
had good job offer	11.0	7.7	4.9	14.2	11.3	11.6	5.9	13.2	13.5	9.9	*32.5*
reconsider goals & interests	43.2	43.8	40.1	42.5	44.2	55.8	39.5	27.5	31.4	27.3	*52.8*
tired of being student	9.9	9.7	10.4	11.5	8.2	11.7	6.4	3.4	22.3	25.0	*8.6*
wanted better acad. reputation	13.8	7.4	12.3	12.9	21.2	18.5	12.4	29.5	13.3	13.4	*13.1*
wanted better social life	14.7	11.9	17.1	16.4	14.9	13.8	11.2	18.3	20.0	23.0	*4.4*
wanted practical experience	20.0	20.3	14.2	18.6	22.5	21.3	15.9	27.2	23.1	21.1	*33.1*
wanted to be closer to home	6.7	8.4	5.1	5.0	7.6	7.4	6.2	8.5	19.3	21.5	*7.5*
wanted wider course selection	17.7	8.7	16.8	20.6	22.8	12.3	42.0	31.4	22.5	22.7	*21.3*
was bored with course work	16.0	16.6	17.5	15.5	15.8	17.8	11.0	14.7	9.0	9.4	*7.0*
wasn't doing well academically	27.8	34.5	34.0	18.3	31.9	49.6	12.7	11.9	16.8	17.4	*13.3*
ENROLLMENT STATUS											
First Year											
attended full-time	98.3	97.4	99.2	98.0	99.2	99.1	100.0	99.1	98.0	98.1	96.9
attended part-time	1.6	2.6	0.8	1.6	0.6	0.7	0.0	0.9	1.6	1.6	2.2
not enrolled	0.2	0.0	0.0	0.4	0.2	0.3	0.0	0.0	0.4	0.3	0.9
Second Year											
attended full-time	88.5	89.4	94.9	82.3	93.0	89.5	97.2	97.3	87.9	88.8	79.4
attended part-time	5.3	8.2	2.9	5.8	2.3	2.9	1.2	1.9	7.0	7.2	5.4
not enrolled	6.2	2.4	2.2	11.8	4.7	7.6	1.6	0.9	5.1	4.0	15.3
Third Year											
attended full-time	82.5	84.2	93.3	77.3	83.5	78.4	90.7	89.5	76.1	77.2	67.3
attended part-time	9.3	9.6	3.2	11.2	8.7	11.2	5.9	5.6	6.1	5.9	8.2
not enrolled	8.2	6.2	3.5	11.5	7.8	10.5	3.4	4.9	17.8	17.0	24.4
Fourth Year											
attended full-time	83.9	87.5	91.1	78.5	84.3	78.4	93.4	90.4	70.4	71.1	65.5
attended part-time	6.8	6.6	3.2	8.5	6.2	7.9	2.7	5.1	9.1	8.5	13.9
not enrolled	9.3	5.9	5.6	13.0	9.5	13.6	4.0	4.6	20.5	20.5	20.6

Notes:

[1] More than one response was permitted. The total may sum to more than 100 percent.

[2] These areas are based on the curriculum recommendations of the National Commission on Excellence in Education.

[3] Students responding "don't know, can't rate" were not included in tabulations.

[4] Students indicating they had not taken time off from college were not included in tabulations.

[5] Responses include "frequently" only, all others include both "frequently" and "occasionally" responses.

[6] This item has been recategorized for reporting purposes from a longer list of response choices shown in Appendix D of this report.

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Students Reporting Much Stronger Abilities and Skills in 1988											
ability to work independently...	28.9	27.5	30.5	29.0	29.8	31.0	31.6	26.7	36.9	36.9	37.4
acceptance of dif races/cultures	21.9	21.2	22.8	22.7	21.4	21.2	22.0	21.6	23.7	23.8	23.0
committment to specific career..	31.1	32.3	27.1	31.1	31.4	32.6	38.9	25.3	36.9	38.0	26.5
concern about financial security	27.2	29.2	20.4	25.8	28.9	30.8	28.6	25.8	38.8	39.4	33.0
confidence in academic abilities	23.7	25.1	25.0	21.9	24.0	25.2	23.9	21.9	30.6	32.4	13.1
critical thinking ability.....	33.6	33.0	40.3	29.0	37.7	41.9	37.3	30.4	34.1	34.4	31.3
cultural awareness.....	25.5	23.2	32.1	21.8	30.5	35.0	27.2	23.9	23.6	23.2	27.3
foreign language ability.....	6.6	5.9	10.7	4.9	8.2	6.4	3.9	13.6	9.2	10.0	1.2
general knowledge.....	48.9	50.3	58.0	44.1	50.4	49.2	50.0	52.7	52.2	52.8	46.6
interest in grad/prof school....	25.1	25.3	25.8	23.5	26.7	26.5	28.2	26.3	29.3	30.1	21.3
interpersonal skills.....	25.5	25.5	29.0	23.6	26.7	30.0	24.6	21.7	26.0	25.6	29.6
job-related skills.....	31.3	32.3	34.2	30.6	30.1	27.7	33.4	32.6	42.8	44.4	27.2
knowledge of particular field...	61.3	59.9	73.7	58.2	62.6	59.5	66.0	66.2	58.1	59.0	48.8
leadership abilities.....	24.5	21.5	25.8	24.5	27.3	30.9	28.4	20.4	24.1	24.3	21.6
motivation to earn degree.....	39.3	35.4	29.1	45.9	38.8	41.9	39.0	33.2	44.9	45.9	35.6
preparation for grad/prof school	20.7	19.7	34.2	18.0	20.6	20.2	22.7	20.2	18.6	19.5	9.5
problem-solving skills.....	34.0	37.3	38.4	28.9	35.4	37.7	34.2	31.9	35.9	36.3	32.2
religious beliefs & convictions.	7.2	5.5	9.0	6.2	9.9	9.7	11.4	9.5	6.4	5.0	19.3
speaking and writing ability....	23.4	22.0	31.1	21.5	24.9	25.5	28.2	22.0	22.3	22.3	22.2
tolerance of different beliefs..	20.8	19.6	25.5	18.9	23.0	23.6	25.2	20.9	23.1	23.3	21.1
Student Rated Self Above Average or Highest 10% in 1988											
academic ability.....	70.8	78.2	84.2	64.4	66.4	67.3	65.5	65.1	58.3	59.9	44.0
artistic ability.....	28.7	28.4	33.0	24.9	32.2	37.4	27.1	25.5	32.8	33.4	27.2
competitiveness.....	69.5	67.3	74.4	66.7	73.8	72.2	67.7	79.9	62.0	62.3	59.5
drive to achieve.....	69.7	65.8	79.2	69.5	71.1	75.4	66.0	65.9	66.8	66.8	67.4
emotional health.....	68.6	67.7	71.1	67.4	70.3	70.9	68.4	70.3	63.3	63.6	60.1
foreign language ability.....	26.8	28.4	41.0	24.1	23.5	24.4	30.5	18.4	21.3	21.3	20.8
leadership ability.....	68.7	64.4	71.7	67.4	73.8	77.9	71.6	67.4	58.9	58.8	60.0
mathematical ability.....	53.6	58.1	70.1	51.2	46.3	47.1	55.3	40.2	42.8	44.1	30.4
physical health.....	73.6	73.7	69.3	74.6	73.6	72.5	67.7	78.6	70.0	69.6	73.5
popularity.....	55.5	52.6	57.2	54.1	59.9	60.6	59.0	59.1	46.8	47.2	43.7
popularity w/opp sex.....	50.2	45.8	54.3	48.2	56.0	57.6	52.5	54.9	43.5	42.6	51.8
public speaking ability.....	45.0	44.3	52.6	40.0	49.4	48.5	52.5	49.6	33.9	33.6	36.6
self-confidence (intell).....	71.2	73.4	83.4	66.4	70.7	75.6	71.0	61.7	60.9	61.4	55.9
self-confidence (social).....	58.8	54.8	56.6	57.7	65.2	67.9	61.3	62.2	49.5	50.0	44.6
writing ability.....	56.9	57.8	70.2	53.6	55.7	55.3	56.5	55.9	45.7	45.9	43.9
Miles from 1984 Home to College											
5 or less.....	6.3	4.6	2.8	9.4	5.4	5.7	10.4	2.3	14.3	15.1	7.4
6-10.....	8.2	8.6	4.2	7.4	10.2	10.0	10.9	10.3	10.3	10.0	13.2
11-50.....	26.2	22.4	19.5	36.4	19.7	21.8	19.7	15.9	40.2	41.4	29.8
51-100.....	16.1	20.0	8.6	14.0	17.4	19.5	7.9	18.5	13.8	14.1	11.1
101-500.....	31.7	36.9	39.2	24.7	32.5	26.9	30.0	43.7	19.8	18.2	34.4
more than 500.....	11.4	7.5	25.8	8.1	14.8	16.1	21.1	9.3	1.6	1.3	4.3

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (in 1984)											
be elected to student office....	3.2	3.6	5.2	2.7	2.6	2.4	3.1	2.7	2.4	2.0	5.4
be satisfied with college.....	48.5	54.2	62.1	40.7	47.5	49.6	49.5	43.0	45.0	43.9	54.4
change career choice.....	15.1	16.5	14.8	14.2	15.0	14.2	7.0	20.4	6.6	5.7	14.4
change major field.....	16.5	17.8	14.7	16.0	16.3	12.0	14.7	24.8	7.1	6.9	9.6
drop out permanently.....	0.4	0.0	0.6	0.7	0.4	0.0	1.4	0.5	1.9	2.0	1.3
drop out temporarily.....	1.0	0.3	0.2	2.2	0.5	0.4	1.4	0.0	1.0	0.8	2.7
fail one or more courses.....	1.6	0.4	1.4	3.2	0.9	0.3	1.8	1.4	1.3	0.9	4.8
get job to pay expenses.....	40.0	42.6	39.9	38.7	39.0	39.7	39.3	37.6	31.9	33.2	21.1
join social frat or sorority....	16.3	18.0	26.3	10.0	18.7	19.5	13.5	19.9	9.1	8.9	10.3
make at least "B" average.....	43.6	48.9	52.9	39.6	39.8	39.0	46.5	38.0	39.9	41.0	30.0
marry while in college.....	3.5	5.2	0.8	2.7	3.6	5.5	0.9	1.6	3.3	3.6	0.9
participate in student protests.	3.9	3.4	4.1	3.7	4.6	5.0	4.5	4.2	4.8	4.9	3.8
play varsity athletics.....	20.9	11.9	15.6	22.0	31.0	28.4	23.8	39.2	11.0	10.2	17.5
receive individual counseling...	3.6	2.3	3.1	4.8	3.5	2.2	3.7	5.6	2.1	2.1	1.9
receive vocational counseling...	6.2	5.3	6.0	8.9	3.7	2.9	4.9	4.6	6.4	6.8	2.3
transfer to another college.....	9.5	5.2	3.2	13.5	11.3	10.5	9.6	13.5	10.7	8.3	30.8
work at outside job.....	17.5	21.4	10.9	16.6	16.7	14.2	19.1	20.0	18.8	19.5	13.3
work full-time while attending..	3.0	2.4	1.0	4.5	2.4	3.7	2.5	0.1	3.0	3.0	3.3
Events Occurring by 1988											
was elected to student office...	17.4	17.9	19.5	15.2	18.9	16.9	24.0	19.9	16.9	16.3	22.2
satisfied with freshman coll (5)	74.6	75.8	82.3	71.2	74.9	71.7	79.4	78.4	78.0	77.8	79.9
changed career choice (5).....	48.7	51.6	44.3	50.2	44.9	40.8	34.9	57.0	42.5	40.6	61.6
changed major field (5).....	48.8	53.6	46.1	48.7	44.6	43.9	37.9	49.3	41.9	39.6	63.7
dropped out permanently (5).....	10.2	6.9	3.9	14.0	11.4	16.6	4.1	5.7	13.9	12.9	23.0
dropped out temporarily (5).....	7.6	9.3	7.5	8.5	4.6	4.0	5.9	4.8	13.9	13.6	16.6
failed one or more courses.....	47.1	47.4	35.0	53.3	42.9	45.2	39.7	40.4	45.2	44.9	47.9
joined social frat or sorority..	26.1	28.5	39.9	20.2	26.4	25.4	15.1	33.7	17.2	17.3	16.7
made at least "B" average (5)...	59.1	61.4	71.5	53.6	59.4	58.1	62.1	60.3	56.6	57.6	47.9
married while in college.....	5.3	4.2	1.9	6.9	5.5	3.7	2.9	9.9	5.6	4.9	11.4
participated in student protests	16.5	12.3	17.8	16.5	20.5	22.1	9.6	23.0	5.7	5.5	7.8
played intercollegiate sports...	33.4	24.1	34.3	36.1	39.8	36.3	42.6	44.6	21.7	20.2	34.7
received personal counseling....	12.4	11.8	14.4	12.6	12.2	6.8	18.7	18.9	5.7	4.6	15.2
received vocational counseling..	41.0	42.1	47.7	37.8	41.6	39.6	42.8	44.8	41.7	41.3	45.9
transferred before graduating(5)	17.7	17.3	10.3	15.6	23.3	16.9	27.0	33.0	16.5	14.4	35.5
worked full-time while student..	22.0	21.4	11.1	26.2	21.3	23.8	19.6	17.7	18.7	18.4	21.6
worked part-time job off campus.	65.2	66.2	53.6	65.8	67.3	64.2	71.8	70.7	64.7	64.5	66.0
worked part-time job on campus..	43.0	40.5	52.8	39.4	47.0	40.4	47.6	58.5	33.6	32.7	41.6
Other College Activities											
enrolled in honors program.....	36.0	30.9	55.0	35.2	36.0	33.5	43.8	36.6	29.5	28.8	35.3
in college internship program...	20.9	18.6	20.5	20.4	24.3	21.8	29.8	26.1	15.3	13.9	27.3
in study abroad program.....	6.0	3.3	12.2	3.0	10.8	12.0	5.8	11.2	3.6	3.5	4.9
taken reading/study skills class	22.0	15.7	17.8	27.1	24.0	24.0	19.4	26.3	30.8	29.0	45.8
taken remedial/develop. classes.	12.1	8.0	3.1	18.5	11.3	13.1	4.4	11.6	22.5	23.1	17.7
worked in political campaign....	10.1	10.7	16.7	9.2	8.2	8.6	8.0	7.4	5.2	4.8	8.3
worked on prof's research proj..	17.1	19.1	18.3	16.9	14.9	17.5	15.5	9.9	21.0	21.8	13.9

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Past Year											
Reported in 1984											
attended public recital/concert.	73.0	72.3	79.1	70.2	75.1	75.2	66.8	79.2	63.6	63.6	63.1
didn't complete homework on time	72.5	75.3	70.2	73.1	69.3	62.6	63.6	82.8	70.7	70.6	71.9
drank beer	74.0	75.9	78.3	71.5	73.4	74.8	82.8	66.4	72.3	72.8	68.0
jogged (6)	28.3	22.1	28.8	33.0	29.6	18.7	27.3	48.1	22.9	21.7	33.1
missed school due to illness (6)	2.2	2.0	3.5	2.4	1.7	0.9	2.9	2.5	2.9	3.0	1.7
smoked cigarettes (6)	6.1	3.7	3.5	10.6	4.1	3.1	6.8	4.5	15.2	16.1	6.6
stayed up all night	73.9	77.1	70.7	74.7	70.6	68.8	63.9	76.9	74.6	74.7	74.2
won varsity letter in sports	56.0	53.4	55.7	59.4	54.6	47.8	51.2	67.6	43.6	42.1	56.2
Reported in 1988											
assisted faculty in teaching	21.6	18.4	20.9	23.5	23.1	20.0	26.2	26.9	25.4	24.6	32.4
attended musical recital/concert	73.1	68.4	79.6	70.6	79.2	80.2	69.7	82.0	64.8	63.7	74.9
been guest in professor's home	27.0	21.7	33.5	21.5	37.7	32.6	32.1	49.6	25.5	24.7	32.9
been lonely or homesick (6)	5.2	4.7	7.7	4.8	5.4	3.1	14.5	4.9	11.6	11.1	16.3
cheated on quiz or exam	20.6	20.6	13.7	22.3	20.9	20.8	20.4	21.4	16.1	16.6	12.4
confided in friend about problem	86.5	83.6	86.2	88.0	88.0	87.2	82.7	92.0	80.7	81.3	75.7
copied homework from other stdnt	39.6	41.5	34.0	41.0	37.7	38.2	38.4	36.3	30.5	31.5	21.8
didn't complete homework on time	64.2	66.8	63.4	62.4	63.7	63.9	58.3	66.1	48.0	48.3	45.5
discussed course w/student (6)	56.9	61.3	67.0	51.7	55.0	53.8	55.3	57.1	55.2	55.4	53.3
drank beer	86.9	85.6	88.5	87.9	86.4	85.6	90.2	85.9	79.1	78.3	85.8
drank wine or liquor	78.1	81.9	82.0	73.6	78.1	76.5	84.2	78.0	68.0	68.2	67.0
felt depressed (6)	10.2	9.6	12.2	9.9	10.4	10.1	17.5	7.5	10.8	10.1	17.0
felt like leaving college	40.1	37.2	26.2	47.3	38.9	38.1	32.8	43.3	32.9	32.7	34.9
felt overwhelmed (6)	21.9	22.9	20.8	23.0	19.9	17.5	31.4	18.7	25.3	25.1	27.7
jogged (6)	20.7	14.7	23.8	22.7	23.8	18.1	21.0	35.4	12.5	11.2	23.7
missed class due to illness (6)	1.2	0.3	1.3	2.0	1.1	0.4	0.6	2.5	1.5	1.1	4.8
participated in intramural sport	62.9	64.3	64.8	60.1	64.2	59.7	60.4	74.2	49.1	48.7	52.6
smoked cigarettes (6)	9.5	6.2	6.7	12.3	10.6	12.4	6.6	9.6	16.6	17.0	12.9
stayed up all night	72.7	71.7	70.7	74.3	72.3	71.1	68.9	76.1	68.5	68.3	70.3
took interdisciplinary course	47.6	46.2	66.7	45.6	45.1	38.4	58.2	50.5	35.0	34.2	41.5
tutored another student	51.5	53.5	55.9	49.9	49.9	47.3	50.3	54.4	46.9	47.2	45.0
worked on group proj in class	80.9	81.8	72.1	81.3	82.5	75.9	87.7	91.6	74.5	75.0	69.6
worked on independent res proj	52.9	46.7	59.9	50.9	60.0	55.1	52.2	72.8	48.0	47.6	51.8
Political Views in 1984											
far left	1.7	1.8	1.2	1.6	1.9	2.6	1.5	0.9	2.0	2.2	0.0
liberal	22.1	22.4	20.1	22.6	21.8	25.9	15.2	18.3	14.3	14.5	12.9
middle of the road	51.0	48.9	45.4	52.4	53.6	51.2	58.2	55.1	64.2	65.1	56.4
conservative	24.0	25.3	30.2	22.8	21.9	19.3	23.6	25.3	19.2	18.1	28.7
far right	1.2	1.7	3.1	0.7	0.8	0.9	1.4	0.4	0.4	0.2	2.0
Political Views in 1988											
far left	1.5	0.6	3.3	0.7	3.0	5.1	0.5	1.0	1.4	1.6	0.0
liberal	19.8	22.9	21.4	15.0	21.9	23.0	14.1	24.2	13.6	13.5	13.7
middle of road	44.6	41.4	39.3	48.9	44.6	43.6	55.9	40.5	53.9	53.8	55.4
conservative	32.9	34.1	33.5	34.3	29.3	27.6	28.0	32.8	30.1	30.3	28.1
far right	1.2	1.0	2.5	1.1	1.1	0.6	1.4	1.6	1.0	0.8	2.7

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1984											
with parents or relatives	13.1	13.0	6.2	17.2	10.7	11.5	15.7	6.3	30.9	31.8	*24.3*
other private home or apartment	25.9	28.8	16.9	31.3	19.2	15.5	19.2	25.7	31.9	33.0	*23.5*
college dormitory	47.6	41.9	64.1	41.8	55.4	54.0	51.5	60.0	26.8	27.2	*24.2*
fraternity or sorority house	6.9	9.5	8.5	4.7	5.8	5.7	7.0	5.2	3.6	2.6	*11.1*
other campus housing	3.9	3.8	3.7	3.9	4.1	5.1	4.7	2.1	4.6	3.3	*14.4*
other	2.6	3.0	0.5	1.2	4.8	8.1	1.9	0.7	2.1	2.1	*2.5*
Planned for Fall 1984											
with parents or relatives	23.5	19.1	11.4	31.2	23.2	27.5	23.8	14.8	52.3	55.8	20.1
other private home or apartment	2.2	2.9	0.8	3.2	0.6	0.7	0.3	0.4	9.3	9.6	6.8
college dormitory	71.2	74.2	85.8	63.4	72.3	69.1	74.4	77.3	35.5	32.0	67.6
fraternity or sorority house	1.4	2.4	0.4	0.4	1.9	0.0	0.0	6.5	0.0	0.0	0.0
other campus housing	1.3	1.2	1.6	1.7	0.7	0.7	0.4	0.9	1.2	1.0	3.4
other	0.4	0.2	0.0	0.1	1.2	1.9	1.2	0.0	1.7	1.7	2.1
First Year											
with parents or relatives	23.4	19.4	11.7	30.4	23.1	26.8	25.3	15.3	52.6	55.7	23.3
other private home,apt,room	3.8	2.9	0.9	7.1	1.7	2.0	2.5	0.6	10.9	11.4	5.5
college dormitory	68.1	73.2	86.2	56.2	71.3	65.8	69.8	82.2	34.0	30.5	67.1
frat or sorority house	1.4	3.7	0.6	0.2	0.7	0.3	0.0	1.9	0.9	1.0	0.0
other campus student housing	2.8	0.7	0.6	5.5	2.6	4.4	1.1	0.0	0.7	0.4	3.3
other	0.4	0.1	0.0	0.6	0.6	0.7	1.2	0.0	1.0	1.0	0.9
Second Year											
with parents or relatives	27.3	23.2	11.2	35.6	27.1	33.6	26.4	15.8	48.0	50.3	26.4
other private home,apt,room	17.7	22.8	17.2	17.4	12.7	8.6	14.6	19.0	18.3	18.4	17.8
college dormitory	44.4	44.6	56.6	39.4	46.3	41.2	48.4	54.3	27.1	24.5	51.5
frat or sorority house	5.9	7.5	10.1	2.5	7.1	7.6	1.9	9.0	2.5	2.7	1.0
other campus student housing	3.6	1.5	4.2	3.8	5.6	7.3	7.5	1.4	1.9	1.8	2.4
other	1.0	0.4	0.6	1.4	1.3	1.7	1.2	0.4	2.2	2.3	0.9
Third Year											
with parents or relatives	23.9	21.3	14.9	24.7	29.1	32.7	35.0	19.1	20.6	21.5	13.7
other private home,apt,room	32.9	44.5	32.5	28.3	25.7	24.2	21.6	30.9	43.5	44.1	39.4
college dormitory	30.3	21.3	33.1	37.5	30.5	30.7	31.7	29.5	22.4	21.4	30.2
frat or sorority house	7.0	9.0	11.9	2.3	8.9	7.4	2.3	15.2	1.5	1.6	0.0
other campus student housing	4.6	3.1	6.6	5.4	4.4	3.3	7.1	5.0	6.8	7.2	4.0
other	1.3	0.8	1.0	1.7	1.4	1.6	2.4	0.4	5.1	4.2	12.7
Fourth Year											
with parents or relatives	22.3	18.0	12.2	26.6	25.3	31.1	24.4	15.4	20.7	21.2	16.6
other private home,apt,room	40.8	55.9	39.8	33.3	33.7	26.9	39.3	42.8	51.7	51.9	49.4
college dormitory	23.6	13.3	28.4	30.2	25.0	27.0	19.9	24.2	11.2	10.8	14.7
frat or sorority house	6.3	7.7	12.1	2.5	7.5	6.5	1.8	12.5	1.9	2.1	0.0
other campus student housing	4.9	3.3	5.5	5.2	6.1	5.3	13.5	3.5	8.0	7.5	12.0
other	2.0	1.7	2.0	2.2	2.3	3.1	1.2	1.5	6.6	6.5	7.4

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Personal Objectives Noted as Very Important or Essential in 1984											
achieve in a performing art	13.0	11.4	12.0	15.9	11.2	14.5	6.6	7.7	14.3	14.0	17.6
be involved in environ cleanup	21.2	22.4	23.6	20.2	20.2	17.3	21.7	24.6	26.2	25.4	32.7
be successful in own business	54.6	55.7	48.3	53.3	57.3	60.2	53.8	53.9	61.3	60.1	71.5
be very well off financially	74.1	78.3	67.4	73.2	73.3	77.2	72.1	66.9	82.0	82.8	75.7
become authority in my field	76.9	77.7	78.0	74.9	78.2	78.0	75.4	80.1	69.5	70.4	61.8
create artistic work	7.9	7.4	11.1	6.9	8.4	9.1	4.8	9.0	13.6	14.1	9.5
develop philosophy of life	46.9	45.8	54.1	43.7	49.5	46.8	60.0	48.7	37.2	34.2	62.9
have admin. responsibility	43.8	45.8	39.5	47.6	38.4	38.2	42.0	37.0	38.0	37.6	41.2
help others in difficulty	54.8	51.2	54.3	57.4	55.4	52.6	68.8	53.6	47.5	47.3	49.6
influence political structure	18.5	18.1	25.9	18.7	16.0	12.7	25.1	17.3	13.7	12.7	22.5
influence social values	30.5	27.2	34.7	32.8	29.7	25.1	39.0	33.3	26.7	24.7	45.1
keep up with political affairs	50.9	48.9	57.6	51.8	49.6	45.8	58.5	51.7	38.4	38.7	35.5
obtain recog from colleagues	58.7	60.6	57.2	58.6	57.3	59.4	61.6	51.3	47.1	46.6	51.4
participate in community action	22.8	20.9	20.1	25.0	23.1	18.5	27.5	28.7	16.5	15.9	22.1
promote racial understanding	31.5	29.0	38.7	28.1	35.8	33.9	38.0	37.8	21.9	21.0	29.9
raise a family	67.7	71.4	71.5	63.7	67.4	65.3	73.1	68.2	57.8	56.9	65.4
theoretical contrib. to science	20.3	26.1	18.7	22.4	12.0	14.0	14.7	7.0	19.1	19.0	19.2
write original works	12.0	9.5	11.8	14.3	11.7	15.4	5.4	8.6	15.7	16.0	12.8
in 1988											
achieve in a performing art	7.6	9.6	9.9	6.9	5.7	5.3	6.8	5.7	8.8	8.7	9.3
be expert on finance/commerce	26.1	23.2	26.4	24.8	30.7	28.8	36.3	31.4	27.8	27.3	33.0
be involved in environ cleanup	22.4	17.8	24.7	23.5	25.1	26.7	21.6	24.1	30.7	30.1	35.7
be successful in own business	43.3	38.5	36.5	43.0	51.4	51.7	49.6	51.7	49.6	48.7	58.0
be very well off financially	64.4	64.5	58.8	63.0	67.8	72.0	61.3	63.6	72.0	73.7	56.2
become authority in my field	67.0	63.7	71.1	66.6	69.9	70.7	71.5	67.7	68.4	69.2	61.1
create artistic work	8.7	6.3	11.7	7.2	12.0	13.5	8.7	10.9	20.4	21.0	15.4
develop philosophy of life	47.8	43.3	57.3	45.8	52.0	56.4	50.0	45.2	51.5	50.0	65.2
get married	62.1	65.9	66.7	60.9	57.8	60.1	60.6	52.3	58.1	58.6	53.0
have admin. responsibility	47.2	44.3	42.0	52.5	45.4	44.3	47.6	46.5	46.8	45.6	58.1
help others in difficulty	54.5	52.0	57.4	53.0	58.2	59.6	57.8	56.0	58.1	57.3	65.7
influence political structure	18.3	16.4	26.8	16.6	19.6	20.5	17.9	18.9	13.3	13.7	9.8
influence social values	34.6	29.0	38.7	36.5	36.7	36.5	33.8	38.4	33.9	32.1	51.1
obtain recog from colleagues	52.8	53.3	54.9	54.4	49.5	46.3	60.7	49.6	55.3	56.9	40.4
participate in community action	19.9	13.8	24.8	18.2	27.0	27.3	21.0	29.5	20.5	19.7	27.2
promote racial understanding	29.1	19.8	35.2	32.9	32.2	37.3	24.7	26.8	26.5	26.3	28.5
raise a family	65.8	66.2	68.6	65.1	65.1	66.8	63.7	62.8	61.8	61.8	62.2
theoretical contrib. to science	13.6	15.8	14.3	14.6	9.6	10.7	9.5	7.8	20.3	20.6	18.3
write original works	14.6	15.3	17.7	13.7	13.9	15.4	9.5	13.4	15.3	15.1	17.0
Permission to Use I.D. in 1984											
yes	78.8	83.0	77.5	76.0	78.3	75.4	82.8	81.3	69.3	68.3	*79.0*
no	21.2	17.0	22.5	24.0	21.7	24.6	17.2	18.7	30.7	31.7	*21.0*
Permission to Use I.D. in 1988											
yes	69.8	71.9	75.6	68.4	67.1	66.1	77.3	63.6	68.0	68.9	59.6
no	30.2	28.1	24.4	31.6	32.9	33.9	22.7	36.4	32.0	31.1	40.4

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agrees Strongly or Somewhat in 1984											
abortion should be legalized....	56.7	61.7	58.7	53.2	55.4	60.4	38.6	55.1	50.9	53.1	31.8
activities of women best in home	24.2	24.8	16.5	25.5	24.6	24.6	22.9	25.6	29.7	29.0	36.1
busing OK to achieve balance....	49.9	40.8	44.7	52.4	58.2	66.3	50.1	48.1	53.3	52.6	59.6
college regulate off-campus acts	14.8	11.3	9.6	18.5	15.6	19.2	12.5	10.8	19.2	18.8	22.6
gov't not promoting disarmament.	57.0	53.7	63.0	48.8	69.0	71.9	70.1	63.3	57.1	57.3	55.7
high school grading too easy....	55.2	57.3	63.8	52.5	53.4	52.9	61.6	50.0	49.9	48.4	63.2
increase military spending.....	36.9	36.4	32.6	46.7	26.5	25.9	24.0	28.9	38.0	36.0	56.4
live together before marriage...	50.0	51.5	47.0	47.5	52.4	58.7	47.8	43.4	48.9	49.0	48.0
marijuana should be legalized...	23.6	23.1	28.5	21.6	24.7	30.1	27.3	13.9	23.4	23.2	25.3
national health care plan needed	55.3	51.1	47.8	53.3	64.7	71.3	63.9	53.2	70.0	71.3	58.2
prohibit homosexual relations	50.2	44.5	39.5	52.3	57.2	57.3	53.3	59.1	59.0	58.8	60.7
sex OK if people like each other	61.1	60.8	62.9	59.7	62.6	65.0	45.4	67.2	56.5	56.7	55.3
students help evaluate faculty..	68.3	73.3	68.8	61.4	71.5	71.4	71.6	71.8	69.5	69.4	70.3
in 1988											
abortion should be legalized....	60.7	61.9	65.4	58.0	61.2	71.8	33.9	56.6	51.4	52.1	44.5
activities of women best in home	18.0	15.9	10.9	23.8	15.4	13.9	22.5	14.3	20.6	20.8	19.2
busing OK to achieve balance....	38.7	32.0	38.3	39.7	45.0	44.8	43.3	46.2	39.5	38.3	50.4
college grading too easy.....	28.5	24.8	34.4	25.4	34.4	40.5	32.1	24.8	28.7	28.7	28.8
college raises earning power....	52.2	51.8	37.1	56.9	51.9	57.5	40.0	48.1	57.4	57.9	52.7
college regulate off-campus acts	8.4	7.9	7.3	9.8	7.7	6.3	11.7	7.9	10.2	9.5	16.8
employers can require drug test.	63.8	62.0	59.4	65.6	65.1	64.1	70.5	64.1	63.0	63.2	61.1
gov't not promoting disarmament.	57.8	54.0	60.3	54.7	65.1	70.4	56.5	60.5	55.3	55.9	50.8
increase military spending.....	27.2	27.8	21.8	33.2	20.6	21.3	22.0	18.7	34.9	34.4	39.4
live together before marriage...	56.5	58.8	55.6	57.0	53.9	65.1	40.7	40.8	51.1	50.9	52.6
mandatory testing for AIDS.....	50.0	45.4	36.1	57.9	49.7	53.1	54.0	41.3	58.1	57.6	62.8
marijuana should be legalized...	26.8	30.1	32.5	24.7	23.9	29.1	18.7	17.6	17.8	16.9	25.8
national health care plan needed	63.8	60.7	55.3	64.7	69.1	73.1	69.5	61.9	72.2	72.5	68.8
no coll invest in S Africa co's.	52.5	53.5	56.1	49.3	54.4	56.5	51.0	52.6	42.6	42.1	47.2
prohibit homosexual relations...	39.5	35.1	24.9	45.1	42.2	41.7	42.1	43.1	50.9	50.1	58.6
raise taxes to reduce deficit...	31.1	34.4	38.4	26.6	30.7	29.4	31.8	32.3	23.5	23.7	22.3
sex OK if people like each other	63.7	69.9	65.3	62.2	58.4	65.2	43.9	53.8	66.9	69.1	47.6
students help evaluate faculty..	83.4	85.2	81.9	83.8	81.5	80.8	85.0	80.8	77.9	78.5	72.9
College Objectives Noted as Very Important or Essential											
conduct research.....	36.1	38.0	39.2	32.8	37.1	46.5	30.3	23.7	49.7	50.0	46.9
convey apprec. of liberal arts..	38.6	31.1	53.8	30.2	52.0	49.6	57.8	53.5	30.5	26.7	65.3
develop clear thinking ability..	78.2	72.5	76.4	78.4	84.9	84.9	85.2	84.5	76.0	74.6	88.6
develop creative capacities.....	51.2	45.8	43.9	52.3	58.4	59.6	54.4	58.2	57.1	55.3	73.0
develop moral character.....	41.6	28.7	46.1	46.2	48.5	44.1	66.0	47.6	46.1	42.8	76.6
develop religious convictions...	14.2	6.3	20.5	8.1	28.5	18.6	49.4	35.8	12.9	8.6	51.9
develop responsible citizens....	45.0	35.8	47.0	49.9	48.3	44.3	59.5	50.0	52.2	48.9	82.6
gain deeper level of understand.	35.9	27.9	37.0	35.1	45.4	42.9	55.2	45.0	42.8	39.5	73.2
increase self-directed learning.	53.5	40.8	56.6	58.4	60.1	63.1	58.1	55.6	57.6	56.0	72.1
master knowledge in discipline..	60.8	62.7	69.8	55.8	61.7	59.2	72.3	60.8	62.8	62.3	67.4
prepare students for employment.	62.7	62.4	63.1	64.0	61.1	61.9	72.6	54.1	69.9	69.5	73.8
prepare students for family liv.	22.2	16.8	20.2	23.1	27.6	22.2	44.4	29.1	28.9	26.8	47.3
prepare students for grad school	40.0	34.6	56.5	35.9	45.3	49.1	46.9	37.7	38.0	37.2	45.6
provide for emotional develop...	29.2	23.1	32.8	28.1	36.1	33.6	46.7	35.3	35.5	31.6	70.8
provide skilled workers for bus.	42.1	39.7	34.8	47.1	40.8	38.3	52.7	39.4	51.5	51.8	48.8
provide tools for living in soc.	51.6	47.2	59.6	51.5	53.8	51.3	59.2	55.8	56.2	54.4	72.4

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
None											
attending classes/lab sessions	1.4	0.8	0.9	1.2	2.4	0.6	3.0	5.3	2.5	2.6	1.8
studying/doing homework	0.3	0.1	0.0	0.7	0.0	0.0	0.0	0.0	0.6	0.3	4.2
socializing with friends	0.1	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.3	0.2	1.8
talk with faculty outside class	9.2	13.7	10.3	6.0	8.1	10.4	4.9	5.7	10.2	10.4	8.4
exercising/sports	3.8	4.7	2.4	4.7	2.3	2.6	3.0	1.3	7.1	7.4	4.1
reading for pleasure	21.3	24.1	24.2	22.9	15.3	16.4	18.2	11.9	19.7	20.0	17.0
using a personal computer	31.4	34.1	25.0	29.7	32.7	35.6	34.3	26.6	43.1	42.8	46.0
partying	11.7	9.6	11.8	13.2	11.8	11.0	17.6	10.2	11.3	10.3	20.6
working (for pay)	27.7	29.7	38.9	27.7	21.4	22.8	21.0	19.0	32.2	33.4	20.7
volunteer work	66.7	69.7	65.5	68.5	61.6	68.8	62.0	48.9	72.0	73.2	60.8
student clubs/groups	45.9	48.8	36.8	47.1	44.2	43.6	43.5	45.6	52.5	52.4	53.1
watching TV	7.3	5.9	12.1	6.8	7.7	9.0	4.3	7.1	7.6	7.4	9.8
commuting to campus	37.3	32.9	51.1	37.5	37.3	37.1	36.1	38.3	28.5	27.7	36.3
religious services/meetings	55.5	59.1	56.3	56.6	49.8	51.7	42.3	50.4	55.5	56.9	42.5
hobbies	20.0	21.8	26.0	17.3	19.2	22.1	16.5	15.5	18.9	18.1	26.8
Six or More											
attending classes/lab sessions	86.4	88.8	91.1	88.0	80.2	80.5	89.7	74.7	89.0	90.7	72.7
studying/doing homework	67.0	69.8	76.9	63.4	65.2	59.7	73.4	70.7	70.2	70.7	65.9
socializing with friends	77.7	80.7	85.2	71.6	79.4	81.5	73.1	78.9	64.0	65.1	53.7
talk with faculty outside class	3.2	1.3	1.9	4.5	4.1	3.0	7.6	4.4	2.4	2.4	2.3
exercising/sports	40.3	37.0	38.0	40.9	44.0	39.8	41.3	52.7	32.4	31.8	38.7
reading for pleasure	8.0	6.6	8.8	7.2	10.5	13.9	7.7	5.8	12.5	13.1	6.9
using a personal computer	15.6	15.6	17.4	14.7	16.0	18.6	16.6	11.1	12.1	12.4	9.3
partying	41.0	43.9	43.2	38.0	41.0	46.4	35.5	34.5	42.7	44.1	28.2
working (for pay)	60.9	59.4	52.4	64.2	61.4	63.9	66.2	54.5	45.9	44.0	65.2
volunteer work	4.7	4.7	4.5	3.4	6.3	5.5	7.7	7.1	6.5	6.5	6.5
student clubs/groups	11.1	11.3	17.0	8.4	12.4	12.3	11.2	13.1	11.0	11.6	5.3
watching TV	34.7	40.1	27.1	33.2	33.5	31.4	40.5	33.4	33.0	33.5	27.9
commuting to campus	9.9	8.8	6.6	8.4	14.2	16.2	12.0	11.9	12.3	12.7	8.1
religious services/meetings	2.2	1.1	1.6	1.7	4.2	6.0	3.5	1.3	1.6	1.5	2.2
hobbies	15.6	11.9	11.4	17.2	19.0	20.4	15.0	18.7	17.3	18.0	10.1
Sixteen or More											
attending classes/lab sessions	41.9	38.3	34.6	49.5	38.8	38.5	49.8	33.7	51.2	53.5	29.2
studying/doing homework	23.4	22.4	30.4	23.2	22.2	23.1	30.6	16.5	25.7	27.0	12.7
socializing with friends	35.5	37.5	39.5	32.2	36.1	34.0	33.8	41.0	31.0	32.7	14.5
talk with faculty outside class	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	1.0	1.1	0.0
exercising/sports	10.3	7.3	8.4	12.1	12.1	13.0	10.8	11.1	4.8	4.6	6.9
reading for pleasure	1.1	0.8	0.4	0.6	2.2	3.6	0.4	0.7	1.1	0.8	4.6
using a personal computer	4.4	2.8	2.8	5.2	5.9	7.5	4.4	3.8	3.5	3.5	3.7
partying	11.8	14.3	15.0	10.4	9.9	11.6	12.8	5.6	13.2	14.1	4.4
working (for pay)	36.1	35.4	23.8	43.0	32.5	36.6	40.0	21.3	27.1	24.9	48.5
volunteer work	1.3	1.0	1.7	1.1	1.7	0.9	2.2	2.8	2.5	2.6	0.9
student clubs/groups	2.6	2.8	3.6	1.3	3.6	4.8	2.1	2.4	0.5	0.5	0.0
watching TV	9.7	9.2	4.0	11.7	9.7	7.5	15.5	10.5	8.8	9.3	4.1
commuting to campus	1.2	0.6	0.0	0.8	2.7	3.4	2.8	1.5	1.2	1.2	1.3
religious services/meetings	0.5	0.0	0.1	0.1	1.7	2.8	1.2	0.0	0.6	0.7	0.0
hobbies	2.7	2.5	2.6	2.1	3.6	4.3	3.5	2.4	2.8	2.6	5.3

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1984 (7)											
artist (including performer)	4.8	5.2	3.6	4.0	5.9	6.2	3.2	6.8	3.7	2.1	18.3
businessman	25.8	19.8	22.4	26.0	33.6	31.6	36.4	35.5	24.9	25.8	17.3
clergy or religious worker	0.4	0.3	0.0	0.1	1.0	0.2	2.0	1.8	0.0	0.0	0.0
college teacher	0.2	0.2	0.4	0.3	0.2	0.1	0.2	0.3	0.3	0.3	0.6
doctor (MD or DDS)	5.4	5.4	14.6	2.4	5.9	5.7	7.6	5.5	1.0	0.2	8.2
education (secondary)	2.1	1.2	0.6	2.6	3.1	1.6	1.8	6.2	0.6	0.4	2.3
education (elementary)	0.3	0.0	0.0	0.4	0.6	0.0	0.3	1.8	0.7	0.8	0.0
engineer	17.7	25.0	19.8	18.0	8.4	11.0	9.9	3.4	18.2	19.4	7.9
farmer or forester	1.1	2.3	0.0	0.7	0.7	0.8	0.6	0.5	3.0	3.2	0.7
health professional (non-M.D.)	2.6	4.2	1.0	2.6	1.7	1.4	0.9	2.4	9.1	9.8	3.1
lawyer	5.5	4.6	11.7	3.6	6.8	8.0	4.7	5.8	3.8	4.0	2.7
nurse	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.0	0.0	0.0	0.0
scientific researcher	2.8	3.3	3.7	3.0	1.8	1.7	1.7	2.1	2.0	2.0	1.6
other choice	20.0	18.7	9.4	26.4	17.0	17.8	16.2	16.3	25.5	26.0	20.8
undecided	11.0	9.8	12.8	9.9	13.1	13.7	14.2	11.6	7.1	6.1	16.6
Probable Career in 1988 (7)											
artist (including performer)	6.3	8.7	8.8	3.8	5.8	6.1	6.0	5.2	4.6	3.8	12.3
businessman	31.9	29.8	30.1	30.3	37.0	33.9	43.5	39.5	26.9	27.1	25.5
clergy or religious worker	0.9	0.5	0.6	1.2	1.3	1.1	1.7	1.2	0.2	0.0	2.2
college teacher	1.5	1.2	2.6	0.8	2.4	1.8	1.7	3.8	0.2	0.2	0.0
doctor (MD or DDS)	2.9	3.0	8.3	1.1	2.9	1.7	4.8	4.3	6.8	7.4	1.6
education (secondary)	4.5	4.6	2.0	6.5	2.6	1.4	2.6	4.8	2.7	1.4	14.0
education (elementary)	0.6	0.2	0.2	1.0	0.8	0.5	0.9	1.2	0.3	0.3	0.0
engineer	12.3	18.7	14.1	10.5	6.6	8.9	8.7	1.4	15.5	16.5	6.8
farmer or forester	1.0	1.3	0.4	1.3	0.3	0.0	0.0	0.8	2.5	2.6	1.6
health professional (non-M.D.)	1.5	2.4	0.0	1.2	1.4	1.5	0.9	1.4	2.3	2.5	0.5
lawyer	4.6	3.9	10.9	2.6	5.6	6.2	4.7	4.9	0.8	0.6	1.9
nurse	0.3	0.5	0.0	0.4	0.1	0.0	0.4	0.0	0.2	0.2	0.0
scientific researcher	2.3	1.6	2.2	3.2	1.9	1.6	2.6	2.2	3.2	3.4	1.6
other choice	25.9	21.0	11.9	34.5	25.7	30.4	19.2	20.3	28.5	29.2	21.8
urdecided	3.6	2.6	7.8	1.7	5.7	4.7	2.4	9.0	5.3	4.7	10.2
Reasons Noted as Very Important or Essential for Choosing Career											
job opportunities available	62.0	60.6	48.6	70.2	57.7	60.2	59.6	52.3	69.0	69.8	61.3
can make contribution to society	51.6	48.9	59.5	48.7	55.4	57.7	48.6	54.6	51.7	49.9	67.7
enjoy working w/people in field	61.0	59.5	56.0	63.5	61.2	62.4	63.0	58.3	70.3	69.7	75.8
oppty for freedom of action	63.6	60.9	72.8	61.4	66.1	70.6	63.0	59.7	67.5	67.0	71.5
oppty for rapid career advancmnt	58.9	55.3	52.8	64.0	58.5	58.7	61.2	56.6	56.8	57.4	51.1
pays well	63.0	63.9	58.2	64.2	62.0	64.0	65.3	56.8	67.6	69.4	51.7
satisfies parent's hopes	12.3	13.2	8.6	12.2	12.8	14.6	13.5	9.3	18.8	18.1	24.9
work is challenging	80.2	74.2	83.4	82.3	82.9	85.3	80.5	79.8	74.4	74.1	76.8
work is interesting	91.2	92.5	93.1	90.8	89.6	93.9	90.9	81.4	93.1	93.7	87.3

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1984 (7)											
agriculture	1.5	2.9	0.0	0.9	1.4	1.9	0.0	1.2	2.7	2.5	3.7
biological sciences	4.4	3.4	8.0	3.7	5.0	6.7	3.9	2.6	3.9	3.9	3.3
business	28.9	21.6	25.8	27.9	39.2	37.1	45.3	39.7	25.1	25.7	19.0
education	2.1	2.0	0.4	2.6	2.3	0.8	2.2	5.1	1.2	1.2	1.5
engineering	19.3	26.3	21.1	20.9	8.9	11.3	9.7	4.2	18.2	19.3	7.9
English	0.8	0.9	1.8	0.5	0.6	0.6	1.0	0.4	0.0	0.0	0.0
health professional	4.9	6.5	7.5	2.8	4.8	3.5	6.6	6.2	2.8	1.6	14.2
history or political science	4.6	2.6	10.1	3.8	5.8	6.6	3.1	5.8	0.3	0.3	0.8
humanities	1.5	2.2	1.8	0.7	1.7	1.1	3.3	2.0	0.6	0.7	0.0
fine arts	2.6	2.2	1.4	2.9	2.9	2.0	1.7	5.1	2.4	1.4	11.2
mathematics or statistics	1.4	1.3	1.8	1.3	1.3	1.4	0.9	1.5	0.2	0.2	0.0
physical sciences	3.3	3.8	4.7	3.8	1.5	1.7	1.3	1.3	2.2	2.2	1.6
social sciences	2.5	2.1	3.7	2.2	2.9	2.0	6.3	2.8	0.8	0.7	1.1
other technical	8.1	7.8	2.4	10.8	7.3	7.9	5.5	7.3	24.3	25.7	12.2
other non-technical	6.4	6.6	3.8	6.5	7.0	5.5	4.2	11.1	13.2	12.7	17.8
undecided	7.8	7.7	5.7	8.8	7.4	10.1	5.0	3.9	2.1	1.8	5.6
Major Noted in 1988 (7)											
agriculture	1.1	2.5	0.0	0.9	0.3	0.0	0.6	0.7	2.7	3.0	0.0
biological sciences	3.9	4.1	6.7	2.9	4.0	4.0	4.1	4.1	3.6	2.6	11.5
business	29.4	26.7	22.2	29.9	34.6	33.1	41.1	34.1	26.5	27.5	18.3
education	4.7	4.0	1.0	6.3	4.8	2.5	3.4	9.5	2.3	1.8	6.1
engineering	13.1	18.7	15.6	12.2	7.0	9.6	8.6	1.4	17.2	18.4	7.3
English	2.4	2.3	5.4	2.1	1.6	1.2	4.2	1.0	0.1	0.0	1.1
health professional	1.5	2.1	1.2	1.1	1.4	1.2	2.2	1.3	1.6	1.4	3.1
history or political science	7.2	4.0	13.9	5.5	10.6	13.7	9.3	5.9	2.4	2.4	1.9
humanities	2.6	2.3	4.5	2.1	2.9	3.5	2.9	2.0	3.7	3.3	6.8
fine arts	3.0	1.9	2.8	2.6	4.8	5.1	1.2	6.1	3.7	2.9	10.8
mathematics or statistics	2.0	2.5	2.7	2.0	1.2	1.2	1.3	1.0	0.8	0.9	0.0
physical sciences	3.4	2.5	3.5	4.7	2.6	2.4	3.0	2.9	1.0	1.1	0.0
social sciences	9.1	9.6	13.6	6.7	9.9	6.6	6.7	17.4	4.8	5.0	2.4
other technical	6.9	5.1	3.1	9.4	7.1	8.6	4.7	5.6	14.7	14.6	15.9
other non-technical	9.1	11.2	3.5	10.8	6.5	7.0	6.7	5.5	14.5	14.7	12.8
undecided	0.6	0.5	0.5	0.8	0.5	0.2	0.0	1.2	0.4	0.2	2.2
Religious Preference in 1984 (7)											
Protestant	40.2	37.3	34.9	46.6	37.2	30.4	11.1	64.3	42.7	42.1	48.5
Roman Catholic	39.3	42.5	38.9	36.6	39.3	37.3	78.5	22.0	43.8	44.9	32.7
Jewish	3.8	4.7	9.9	2.1	2.9	3.9	1.3	1.9	2.2	2.4	0.0
other	6.2	3.7	3.4	7.2	8.6	11.3	4.3	6.0	5.4	4.8	12.0
none	10.5	11.8	12.9	7.5	11.9	17.2	4.9	5.9	5.9	5.8	6.8
Religious Preference in 1988 (7)											
Protestant	41.0	37.8	32.8	48.7	37.2	33.6	14.4	54.5	44.6	43.0	58.8
Roman Catholic	35.2	39.1	37.3	30.7	36.1	35.1	74.3	20.1	41.7	43.8	23.8
Jewish	3.3	3.6	8.6	2.1	2.7	4.0	1.4	1.0	2.3	2.6	0.0
other	5.1	3.9	3.1	4.4	8.0	11.0	2.5	4.9	1.9	1.9	1.8
none	15.4	15.5	18.3	14.1	16.0	16.3	7.4	19.5	9.4	8.7	15.6

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Religious Preference in 1984											
Baptist	11.4	7.9	7.9	16.5	10.1	8.6	2.7	17.0	6.1	4.4	23.3
Buddhist	0.1	0.1	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.0	2.5
Congregational (U.C.C.)	1.4	1.8	1.6	0.9	1.5	2.1	0.0	1.1	3.0	2.8	5.0
Eastern Orthodox	0.4	0.6	1.0	0.3	0.2	0.2	0.9	0.0	6.3	6.9	0.0
Islamic	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Jewish	3.8	4.7	9.9	2.1	2.9	3.9	1.3	1.9	2.2	2.4	0.0
Latter Day Saints (Mormon)	0.3	0.3	0.4	0.5	0.1	0.0	0.4	0.0	0.2	0.2	0.0
Lutheran	5.8	7.5	5.0	4.4	6.1	3.6	1.2	13.4	4.5	3.9	9.7
Methodist	11.0	10.3	7.4	13.0	10.3	8.5	3.2	17.4	13.3	13.8	7.5
Quaker (Society of Friends)	0.2	0.1	0.6	0.1	0.3	0.4	0.0	0.4	0.2	0.2	0.0
Roman Catholic	39.3	42.5	38.9	36.6	39.3	37.3	78.5	22.0	43.8	44.9	32.7
Seventh Day Adventist	0.3	0.1	0.3	0.5	0.2	0.2	0.5	0.0	0.0	0.0	0.0
Unitarian-Universalist	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.3	0.0	0.0	0.0
other Protestant	9.3	8.4	10.7	10.3	8.3	6.7	2.2	14.6	9.2	9.9	2.9
other religion	6.0	3.5	3.4	7.2	8.3	11.0	4.0	5.7	5.2	4.8	9.5
none	10.5	11.8	12.9	7.5	11.9	17.2	4.9	5.9	5.9	5.8	6.8
Religious Preference in 1988											
Baptist	11.2	7.2	7.1	15.4	11.7	12.6	2.6	14.1	6.9	5.2	21.8
Buddhist	0.3	0.2	1.2	0.1	0.5	0.1	0.5	1.1	0.0	0.0	0.0
Congregational	0.9	1.2	1.0	0.9	0.7	0.5	0.4	1.0	1.5	1.5	1.7
Eastern Orthodox	0.7	0.5	2.0	0.7	0.4	0.2	2.1	0.0	6.1	6.8	0.0
Episcopal	2.2	2.0	4.2	2.5	1.5	1.4	0.4	2.1	0.9	0.4	5.0
Hindu	0.1	0.0	0.0	0.1	0.3	0.5	0.0	0.0	0.0	0.0	0.0
Islamic	0.4	0.1	0.0	0.9	0.1	0.0	0.4	0.1	0.0	0.0	0.0
Jewish	3.3	3.6	8.6	2.1	2.7	4.0	1.4	1.0	2.3	2.6	0.0
Latter Day Saints (Mormon)	0.4	0.3	0.9	0.5	0.2	0.0	1.5	0.0	0.2	0.2	0.0
Lutheran	5.9	7.9	5.9	4.5	5.5	3.1	1.1	11.9	4.5	4.1	8.1
Methodist	9.6	9.1	5.5	12.7	7.7	6.8	2.7	11.8	10.4	10.7	7.6
Presbyterian	4.4	5.2	4.3	4.7	3.2	2.9	1.2	4.7	7.2	7.4	5.5
Quaker (Society of Friends)	0.1	0.0	0.0	0.1	0.3	0.3	0.0	0.5	0.8	0.4	3.3
Roman Catholic	35.2	39.1	37.3	30.7	36.1	35.1	74.3	20.1	41.7	43.8	23.8
Seventh Day Adventist	0.1	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
other Protestant	5.3	4.4	1.8	6.5	5.9	5.5	2.4	8.4	6.2	6.3	5.4
other religion	4.3	3.6	1.9	3.4	7.1	10.4	1.6	3.8	1.9	1.9	1.8
none	15.4	15.5	18.3	14.1	16.0	16.3	7.4	19.5	9.4	8.7	15.6

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1984											
accountant or actuary	7.2	7.3	3.7	3.9	12.4	8.3	14.2	18.2	6.4	6.6	4.2
actor or entertainer	0.7	0.7	1.1	1.0	0.3	0.4	0.5	0.0	1.6	1.6	1.9
architect	0.9	0.8	0.8	1.5	0.3	0.0	0.0	0.9	2.8	3.1	0.0
artist	0.9	0.1	0.0	0.1	3.2	2.8	1.2	5.0	1.1	0.3	8.7
business (clerical)	0.6	0.0	0.0	1.6	0.2	0.0	0.0	0.5	0.0	0.0	0.0
business (management)	13.6	8.3	14.2	18.2	13.5	14.4	14.9	11.3	10.3	10.6	7.9
business owner or proprietor	4.1	3.2	3.8	3.5	5.9	6.8	4.4	5.2	6.3	6.4	5.2
business sales rep or buyer	1.0	1.0	0.6	0.4	1.7	2.0	2.9	0.7	2.0	2.2	0.0
clergy (minister,priest)	0.3	0.3	0.0	0.0	0.7	0.0	1.7	1.5	0.0	0.0	0.0
clergy (other religious)	0.1	0.0	0.0	0.1	0.3	0.2	0.3	0.4	0.0	0.0	0.0
clinical psychologist	0.4	0.1	0.0	0.6	0.5	0.5	0.3	0.7	0.2	0.3	0.0
college teacher	0.2	0.2	0.4	0.3	0.2	0.1	0.2	0.3	0.3	0.3	0.6
computer programmer	6.4	5.7	2.1	7.7	7.0	6.2	7.1	8.3	7.0	7.6	1.5
conservationist or forester	0.2	0.5	0.0	0.0	0.3	0.3	0.6	0.2	2.1	2.2	0.7
dentist (incl orthodontist)	0.9	1.1	2.6	0.4	0.8	0.8	1.0	0.7	0.0	0.0	0.0
dietitian or home economist	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
engineer	17.7	25.0	19.8	18.0	8.4	11.0	9.9	3.4	18.2	19.4	7.9
farmer or rancher	0.9	1.8	0.0	0.7	0.3	0.5	0.0	0.3	0.9	1.0	0.0
foreign service worker	0.7	0.7	1.6	0.6	0.6	0.1	1.7	0.7	0.0	0.0	0.0
homemaker	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
interior decorator	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.0	0.0	0.0
intepreter (translator)	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
lab technician or hygienist	0.5	1.0	0.0	0.5	0.1	0.2	0.0	0.1	6.9	7.6	0.0
law enforcement officer	1.7	0.7	0.8	3.2	1.4	0.0	1.6	3.4	2.8	3.0	1.1
lawyer	5.5	4.6	11.7	3.6	6.8	8.0	4.7	5.8	3.8	4.0	2.7
military service (career)	3.2	1.9	1.9	5.3	2.3	4.3	0.3	0.0	1.4	1.1	4.1
musician (performer,composer)	1.1	1.8	0.5	0.7	1.0	1.4	0.3	0.7	0.2	0.2	0.7
nurse	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.0	0.0	0.0	0.0
optometrist	0.5	1.0	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0
pharmacist	0.7	0.9	0.6	0.6	0.7	0.8	0.6	0.4	0.9	1.0	0.0
physician	4.5	4.3	12.0	2.0	5.1	4.9	6.5	4.8	1.0	0.2	8.2
school counselor	0.5	0.3	0.0	0.4	0.9	0.0	0.4	2.6	0.0	0.0	0.0
school principal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	2.8	3.3	3.7	3.0	1.8	1.7	1.7	2.1	2.0	2.0	1.6
social worker	0.4	0.3	0.0	0.9	0.1	0.0	0.0	0.3	0.0	0.0	0.0
statistician	0.1	0.2	0.2	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0
therapist (phys,occup,speech)	0.6	0.7	0.0	0.7	0.6	0.4	0.4	1.2	0.4	0.2	1.6
teacher (elementary)	0.3	0.0	0.0	0.4	0.6	0.0	0.3	1.8	0.7	0.8	0.0
teacher (secondary)	1.7	0.9	0.6	2.2	2.2	1.6	1.3	3.6	0.6	0.4	2.3
veterinarian	0.4	0.5	0.3	0.4	0.2	0.0	0.0	0.5	0.9	0.9	1.5
writer or journalist	2.0	2.6	2.0	2.0	1.4	1.7	1.3	1.0	0.7	0.0	7.0
skilled trades	1.0	0.8	0.0	1.3	1.2	2.3	0.0	0.0	7.1	6.7	10.1
other	4.4	7.2	2.0	3.4	3.4	4.1	4.9	1.6	4.2	4.2	4.0
undecided	11.0	9.8	12.8	9.9	13.1	13.7	14.2	11.6	7.1	6.1	16.6

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1988											
accountant or actuary	5.9	7.3	5.6	4.6	6.1	7.1	7.5	3.6	6.0	6.5	1.5
actor or entertainer	1.2	1.6	0.9	1.5	0.5	0.3	0.8	0.8	0.6	0.6	0.9
architect	1.2	0.9	1.5	1.6	0.8	0.3	0.3	2.0	0.9	0.9	0.0
artist	1.0	0.4	0.9	0.4	2.6	3.3	1.0	2.0	1.7	1.6	2.5
business (clerical)	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	3.6
business (management)	17.4	15.4	18.7	18.5	17.9	14.0	24.4	21.8	12.2	12.5	10.1
business owner or proprietor	4.9	3.4	4.1	3.5	8.5	8.9	3.0	10.5	4.2	3.2	13.8
business sales rep or buyer	3.7	3.7	1.7	3.6	4.5	4.0	8.5	3.6	4.5	5.0	0.0
clergy (minister,priest)	0.6	0.0	0.6	0.9	0.8	1.0	0.9	0.5	0.1	0.0	1.4
clergy (other religious)	0.3	0.5	0.0	0.3	0.4	0.1	0.8	0.8	0.1	0.0	0.8
clinical psychologist	1.1	2.1	0.2	0.9	0.6	0.3	0.7	1.0	0.4	0.4	0.7
college teacher	1.5	1.2	2.6	0.8	2.4	1.8	1.7	3.8	0.2	0.2	0.0
computer programmer	5.0	3.8	2.2	7.0	5.0	5.8	4.9	3.5	5.0	5.5	0.9
conservationist or forester	0.5	0.7	0.4	0.6	0.2	0.0	0.0	0.5	1.7	1.8	1.6
dentist (incl orthodontist)	0.4	1.0	1.1	0.0	0.1	0.0	0.6	0.1	0.0	0.0	0.0
dietitian or home economist	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
engineer	12.3	18.7	14.1	10.5	6.6	8.9	8.7	1.4	15.5	16.5	6.8
farmer or rancher	0.5	0.7	0.0	0.7	0.1	0.0	0.0	0.2	0.8	0.9	0.0
foreign service worker	0.6	0.8	1.0	0.4	0.4	0.5	1.0	0.0	0.5	0.6	0.0
homemaker	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
interior decorator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	1.6
intepreter (translator)	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.6	0.6	0.0
lab technician or hygienist	0.3	0.3	0.0	0.2	0.4	0.3	0.6	0.3	0.7	0.7	0.0
law enforcement officer	2.1	0.5	0.4	2.5	3.9	5.4	1.6	2.4	2.9	3.1	1.5
lawyer	4.6	3.9	10.9	2.6	5.6	6.2	4.7	4.9	0.8	0.6	1.9
military service (career)	3.7	1.1	1.6	7.7	2.4	3.8	1.7	0.1	0.4	0.2	2.0
musician (performer,composer)	0.9	1.4	1.6	0.4	0.6	0.9	0.3	0.2	0.1	0.0	0.7
nurse	0.3	0.5	0.0	0.4	0.1	0.0	0.4	0.0	0.2	0.2	0.0
optometrist	0.3	0.6	0.0	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0
pharmacist	0.5	1.0	0.0	0.4	0.5	0.8	0.0	0.0	0.5	0.6	0.0
physician	2.4	2.0	7.2	1.1	2.8	1.7	4.2	4.1	6.8	7.4	1.6
school counselor	0.2	0.0	0.0	0.4	0.1	0.1	0.0	0.3	0.0	0.0	0.0
school principal	0.1	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	2.3	1.6	2.2	3.2	1.9	1.6	2.6	2.2	3.2	3.4	1.6
social worker	0.8	0.6	0.0	0.6	1.5	0.9	0.9	3.0	0.7	0.8	0.0
statistician	0.4	0.7	0.3	0.2	0.6	0.6	0.0	0.9	0.0	0.0	0.0
therapist (phys,occup,speech)	0.3	0.5	0.0	0.2	0.3	0.1	0.2	0.7	0.7	0.7	0.0
teacher (elementary)	0.6	0.2	0.2	1.0	0.8	0.5	0.9	1.2	0.3	0.3	0.0
teacher (secondary)	4.2	4.6	1.5	6.0	2.5	1.3	2.6	4.5	2.7	1.4	14.0
veterinarian	0.1	0.0	0.0	0.1	0.2	0.2	0.0	0.2	0.4	0.4	0.5
writer or journalist	3.2	5.4	5.5	1.4	2.1	1.6	3.9	2.3	1.3	0.7	6.5
skilled trades	2.5	1.0	0.2	5.5	1.4	1.3	0.4	2.0	6.9	7.3	2.8
other	8.4	9.4	4.4	8.2	9.0	11.5	7.4	5.3	9.9	9.8	10.3
undecided	3.6	2.6	7.8	1.7	5.7	4.7	2.4	9.0	5.3	4.7	10.2

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1984 (disaggregated)											
ARTS & HUMANITIES											
arts	0.6	0.0	0.0	0.2	2.0	1.5	1.2	3.3	1.3	0.3	10.5
English	0.8	0.9	1.8	0.5	0.6	0.6	1.0	0.4	0.0	0.0	0.0
history	1.5	0.7	3.4	0.9	2.5	3.9	0.2	1.4	0.3	0.3	0.0
journalism	0.9	1.4	1.2	0.4	0.7	1.3	0.0	0.1	0.2	0.0	1.9
language or literature	0.3	0.6	0.0	0.3	0.1	0.1	0.1	0.0	0.6	0.6	0.0
music	1.0	1.7	0.5	0.7	0.6	0.6	0.5	0.8	0.1	0.0	0.8
philosophy	0.2	0.3	0.6	0.0	0.3	0.3	0.7	0.1	0.1	0.1	0.0
speech	0.3	0.1	0.2	0.6	0.1	0.0	0.0	0.3	0.0	0.0	0.0
theater or drama	0.4	0.7	0.6	0.4	0.1	0.1	0.5	0.0	0.0	0.0	0.0
theology or religion	0.1	0.0	0.2	0.0	0.4	0.3	1.1	0.3	0.0	0.0	0.0
other humanities	0.4	0.6	0.5	0.0	0.8	0.4	0.9	1.6	0.0	0.0	0.0
BIOLOGICAL SCIENCES											
general biology	2.0	1.8	4.3	1.5	1.8	2.4	2.2	0.7	0.9	1.0	0.6
biochemistry or biophysics	0.8	0.9	2.3	0.1	1.0	1.5	0.5	0.4	0.0	0.0	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	2.7
marine (life) science	0.8	0.1	0.2	1.4	1.2	1.8	0.9	0.1	1.1	1.2	0.0
microbiology or bacteriology	0.1	0.1	0.0	0.0	0.2	0.4	0.0	0.0	0.5	0.6	0.0
zoology	0.3	0.4	0.0	0.4	0.2	0.1	0.3	0.4	0.7	0.8	0.0
other biological sciences	0.4	0.1	1.1	0.3	0.5	0.4	0.0	1.0	0.3	0.3	0.0
BUSINESS											
accounting	8.1	7.8	5.4	4.4	14.1	10.5	14.0	20.7	6.1	6.2	4.9
business administration	8.5	7.7	6.4	8.4	10.2	8.2	18.9	9.1	8.0	7.7	10.8
finance	2.8	1.9	5.9	2.4	3.1	4.1	1.6	2.0	0.7	0.8	0.0
marketing	2.1	1.7	3.1	1.7	2.9	3.5	2.3	2.2	3.8	4.0	1.6
management	6.3	1.4	3.3	10.4	7.7	9.7	5.1	5.4	5.5	5.9	1.7
secretarial studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other business	1.1	1.2	1.7	0.6	1.2	1.2	3.3	0.2	0.9	1.0	0.0
EDUCATION											
business education	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
elementary education	0.1	0.0	0.0	0.0	0.3	0.0	0.0	1.0	0.3	0.3	0.0
music or art education	0.2	0.0	0.0	0.3	0.2	0.3	0.0	0.0	0.0	0.0	0.0
physical education or recreation	1.0	0.9	0.0	1.2	1.2	0.0	0.7	3.6	0.7	0.8	0.0
secondary education	0.6	1.0	0.4	0.5	0.2	0.0	0.4	0.5	0.1	0.0	1.5
special education	0.2	0.0	0.0	0.4	0.1	0.0	0.6	0.0	0.0	0.0	0.0
other education	0.1	0.0	0.0	0.0	0.4	0.5	0.6	0.0	0.0	0.0	0.0
ENGINEERING											
aeronautical/astronautical eng	2.0	1.3	0.8	3.8	0.9	1.1	1.1	0.5	1.8	1.8	1.1
civil engineering	1.7	2.5	2.4	1.5	0.6	0.3	1.8	0.5	0.8	0.8	0.8
chemical engineering	1.1	2.2	1.4	0.5	0.7	0.7	0.3	0.8	0.8	0.9	0.0
electrical engineering	8.2	10.3	10.3	8.9	4.2	6.2	4.2	0.6	8.2	8.8	2.5
industrial engineering	0.7	1.3	0.4	0.8	0.1	0.0	0.6	0.2	0.8	0.8	0.0
mechanical engineering	3.5	6.2	3.2	2.7	1.7	2.1	1.7	0.7	2.9	3.2	0.0
other engineering	2.1	2.5	2.5	2.7	0.7	0.9	0.0	0.9	3.0	3.0	3.5

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1984 (continued)											
PHYSICAL SCIENCES											
astronomy	0.1	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
atmospheric science	0.2	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	1.5	1.7	1.6	1.7	0.9	1.1	0.7	0.8	0.6	0.4	1.6
earth science	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.6	0.7	0.0
marine science	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.3	0.3	0.0
mathematics	1.3	1.3	1.5	1.3	1.3	1.4	0.9	1.5	0.2	0.2	0.0
physics	1.2	0.9	2.7	1.7	0.5	0.5	0.3	0.5	0.7	0.8	0.0
statistics	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical sciences	0.1	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.7	0.4	0.7	1.4	0.2	0.0	0.0	0.7	1.0	1.1	0.0
home economics	0.2	0.3	0.0	0.0	0.6	0.0	0.0	1.9	0.0	0.0	0.0
health technology	0.3	0.3	0.2	0.4	0.3	0.2	0.6	0.5	7.2	7.7	1.9
library science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	0.1	0.0	0.0	0.0	0.2	0.2	0.8	0.0	0.0	0.0	0.0
pharmacy	0.5	0.5	0.6	0.4	0.5	0.4	0.6	0.5	1.3	1.1	3.2
premed,predent,prevet	3.8	5.5	6.9	1.7	3.5	2.5	5.0	4.4	1.2	0.3	9.3
therapy	0.6	0.5	0.0	0.7	0.6	0.4	0.2	1.3	0.4	0.3	1.7
other professional	1.0	1.1	0.9	0.8	1.1	0.6	2.6	1.2	2.6	2.7	1.5
SOCIAL SCIENCES											
anthropology	0.1	0.2	0.0	0.0	0.1	0.0	0.2	0.2	0.0	0.0	0.0
economics	0.5	0.5	2.3	0.0	0.6	0.8	0.6	0.1	0.0	0.0	0.0
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
political science	3.1	1.9	6.7	2.9	3.2	2.7	2.9	4.4	0.1	0.0	0.8
psychology	1.2	0.9	0.5	1.3	1.9	1.1	3.8	2.2	0.4	0.3	1.1
social work	0.3	0.1	0.0	0.8	0.2	0.0	0.5	0.3	0.0	0.0	0.0
sociology	0.2	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.1	0.2	0.0	0.1	0.2	0.0	1.2	0.0	0.0	0.0	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.0	2.1	0.8
data processing	2.2	2.3	0.5	2.3	2.6	2.5	1.3	3.4	3.6	4.1	0.0
drafting or design	0.4	0.1	0.0	0.5	0.8	1.5	0.0	0.0	1.9	2.1	0.0
electronics	0.2	0.0	0.3	0.2	0.3	0.5	0.0	0.0	1.9	2.0	1.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.0	0.0
other technical	0.2	0.0	0.0	0.3	0.2	0.3	0.0	0.0	1.9	1.3	7.5
OTHER											
agriculture	1.3	2.5	0.0	0.9	1.1	1.9	0.0	0.3	1.8	1.8	2.1
communications	1.7	2.3	0.9	2.0	1.1	1.0	0.6	1.4	3.0	2.5	7.3
computer science	4.9	5.1	1.3	7.0	3.2	2.9	3.6	3.3	5.1	5.5	1.7
forestry	0.2	0.5	0.0	0.0	0.3	0.0	0.0	0.9	0.8	0.8	1.6
law enforcement	1.3	0.4	0.8	2.5	0.8	0.1	1.1	1.8	3.4	3.4	4.1
military science	0.6	0.6	0.0	0.4	0.9	1.7	0.0	0.0	0.5	0.3	2.1
other fields	0.7	0.4	0.0	0.2	1.8	0.8	0.0	4.7	1.6	1.8	0.0
undecided	7.8	7.7	5.7	8.8	7.4	10.1	5.0	3.9	2.1	1.8	5.6

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (disaggregated)											
ARTS & HUMANITIES											
arts	1.4	0.4	0.8	0.6	3.8	4.6	1.2	3.9	1.7	0.9	9.1
English	2.4	2.3	5.4	2.1	1.6	1.2	4.2	1.0	0.1	0.0	1.1
history	3.1	1.2	6.1	2.0	5.7	8.4	3.1	2.4	0.6	0.7	0.0
journalism	2.1	3.6	1.1	0.8	2.6	4.6	1.1	0.0	0.6	0.5	1.6
language or literature	0.6	0.6	1.0	0.3	0.8	1.2	0.3	0.2	0.0	0.0	0.0
music	0.4	0.4	1.0	0.3	0.2	0.4	0.0	0.0	0.4	0.2	1.6
philosophy	0.5	0.4	1.2	0.1	1.1	1.6	1.0	0.4	0.5	0.0	4.4
speech	0.4	0.4	0.0	0.7	0.1	0.0	0.0	0.5	0.3	0.3	0.0
theater or drama	0.4	0.5	0.4	0.4	0.4	0.4	0.2	0.5	0.0	0.0	0.0
theology or religion	0.4	0.0	0.5	0.8	0.4	0.1	0.8	0.7	0.1	0.0	1.4
other humanities	0.6	0.8	1.5	0.5	0.2	0.2	0.6	0.1	3.1	3.3	1.0
BIOLOGICAL SCIENCES											
general biology	2.6	2.2	4.7	1.9	3.1	3.5	3.1	2.4	1.1	0.2	8.1
biochemistry or biophysics	0.3	0.5	0.5	0.1	0.3	0.2	1.0	0.1	0.0	0.0	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.3	0.0	0.4	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0
microbiology or bacteriology	0.2	0.1	0.0	0.1	0.4	0.1	0.0	1.3	0.5	0.6	0.0
zoology	0.2	0.6	0.0	0.0	0.1	0.0	0.0	0.3	0.2	0.0	1.6
other biological sciences	0.4	0.7	1.0	0.2	0.1	0.1	0.0	0.1	1.8	1.8	1.8
BUSINESS											
accounting	4.9	5.3	4.2	4.3	5.4	6.2	6.4	3.6	7.0	7.8	0.0
business administration	5.8	3.1	3.1	7.6	7.6	3.1	12.1	13.3	7.5	7.8	4.7
finance	4.8	6.1	6.2	3.5	4.5	5.0	3.3	4.0	3.3	2.9	6.7
marketing	4.4	4.8	6.7	5.0	2.4	1.9	6.4	1.2	1.7	1.8	0.9
management	7.5	5.2	1.1	6.4	14.2	16.5	11.3	11.5	5.7	5.7	6.1
secretarial studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other business	2.0	2.2	0.9	3.1	0.6	0.4	1.5	0.5	1.4	1.5	0.0
EDUCATION											
business education	0.3	0.0	0.0	0.5	0.3	0.6	0.0	0.0	0.1	0.0	0.9
elementary education	0.4	0.2	0.6	0.3	0.6	0.2	0.4	1.3	0.3	0.4	0.0
music or art education	0.5	0.7	0.0	0.7	0.1	0.0	0.4	0.3	0.0	0.0	0.0
physical education or recreation	1.9	1.3	0.0	2.1	3.0	1.6	0.0	6.9	0.7	0.5	2.7
secondary education	1.4	1.6	0.4	2.1	0.5	0.0	0.9	1.0	1.0	1.0	1.2
special education	0.1	0.0	0.0	0.2	0.2	0.0	1.3	0.0	0.1	0.0	1.3
other education	0.2	0.1	0.0	0.3	0.1	0.1	0.4	0.0	0.0	0.0	0.0
ENGINEERING											
aeronautical/astronautical eng.	0.8	0.9	0.2	1.3	0.2	0.4	0.0	0.0	0.3	0.3	0.9
civil engineering	1.6	2.1	2.2	1.8	0.7	0.9	0.7	0.2	2.1	2.2	0.8
chemical engineering	0.6	1.4	0.8	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0
electrical engineering	4.8	6.1	5.6	4.5	3.3	4.5	4.8	0.4	7.3	8.1	0.5
industrial engineering	0.9	1.3	1.3	0.9	0.1	0.2	0.0	0.1	1.2	1.4	0.0
mechanical engineering	3.2	5.1	3.9	2.2	2.1	2.9	2.8	0.2	4.2	4.3	3.4
other engineering	1.2	1.8	1.7	1.3	0.3	0.5	0.0	0.1	1.9	2.0	1.6

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (continued)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	1.8	1.3	2.1	2.0	2.0	1.5	2.7	2.5	0.4	0.4	0.0
earth science	0.4	0.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine science	0.1	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0
mathematics	1.8	2.0	2.4	1.8	1.2	1.2	1.3	1.0	0.8	0.9	0.0
physics	0.9	0.4	0.9	1.8	0.4	0.4	0.3	0.5	0.4	0.5	0.0
statistics	0.3	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical sciences	0.2	0.3	0.4	0.0	0.1	0.2	0.0	0.0	0.2	0.2	0.0
PROFESSIONAL											
architecture	0.8	0.8	0.9	0.9	0.7	0.2	0.0	1.8	1.3	1.5	0.0
home economics	0.1	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
health technology	0.2	0.5	0.0	0.1	0.3	0.0	0.9	0.4	0.6	0.7	0.0
library science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	0.2	0.5	0.0	0.1	0.1	0.0	0.4	0.0	0.0	0.0	0.0
pharmacy	0.5	0.9	0.0	0.3	0.4	0.8	0.0	0.0	0.3	0.4	0.0
premed,predent,prevet	0.4	0.3	1.2	0.4	0.4	0.0	1.1	0.6	0.8	0.6	3.1
therapy	0.4	0.4	0.0	0.2	0.5	0.4	0.7	0.7	0.4	0.5	0.0
other professional	0.5	0.4	0.0	0.9	0.1	0.0	0.6	0.0	0.8	0.9	0.0
SOCIAL SCIENCES											
anthropology	0.4	0.5	1.3	0.2	0.3	0.4	0.5	0.0	0.2	0.3	0.0
economics	3.3	3.7	8.3	1.8	2.9	2.8	2.6	3.0	1.1	1.2	0.0
ethnic studies	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.6	0.6	0.2	1.1	0.1	0.1	0.3	0.0	0.5	0.4	1.1
political science	4.0	2.8	7.8	3.4	4.9	5.3	6.2	3.5	1.8	1.8	1.9
psychology	2.6	3.2	1.4	2.2	2.9	2.2	1.6	4.8	1.6	1.7	0.7
social work	0.3	0.1	0.4	0.2	0.7	0.1	0.0	2.0	0.0	0.0	0.0
sociology	1.6	1.5	1.7	0.8	2.9	0.8	0.9	7.6	1.3	1.4	0.6
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.3	0.0	0.0	0.5	0.3	0.3	0.8	0.0	0.0	0.0	0.0
OTHER TECHINCAL											
building trades	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.3	1.4	1.0
data processing	1.8	1.2	0.9	1.8	2.9	3.8	1.8	1.8	2.8	3.0	0.9
drafting or design	0.4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.1	2.3	0.9
electronics	0.5	0.0	0.2	1.1	0.4	0.5	0.0	0.3	1.3	1.5	0.0
mechanics	0.1	0.1	0.5	0.1	0.0	0.0	0.0	0.0	2.7	3.0	0.0
other technical	0.4	0.3	0.0	0.2	0.8	1.4	0.0	0.2	3.1	2.0	13.2
OTHER											
agriculture	1.1	2.3	0.0	0.9	0.3	0.0	0.6	0.7	1.4	1.6	0.0
communications	4.0	4.5	1.3	6.2	1.5	0.9	2.7	1.9	4.8	4.7	5.2
computer science	3.5	2.9	1.5	5.2	2.8	3.0	2.0	2.9	2.1	2.2	0.8
forestry	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.4	0.0
law enforcement	1.1	0.9	0.8	0.9	1.5	0.9	1.4	2.7	3.4	3.2	5.0
military science	0.1	0.2	0.0	0.2	0.0	0.0	0.3	0.0	0.7	0.8	0.0
other fields	1.1	1.4	0.0	1.4	0.7	0.6	0.7	0.9	2.9	3.2	0.0
undecided	0.6	0.5	0.5	0.8	0.5	0.2	0.0	1.2	0.4	0.2	2.2

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Attending Classes/Lab Sessions											
none	1.4	0.8	0.9	1.2	2.4	0.6	3.0	5.3	2.5	2.6	1.8
less than one	1.3	1.9	0.0	1.1	1.3	1.4	0.0	1.9	0.3	0.3	0.0
1 - 2	3.5	4.2	1.1	3.2	4.1	2.0	1.7	9.0	1.6	1.2	5.3
3 - 5	7.4	4.3	7.0	6.4	12.0	15.6	5.5	9.1	6.6	5.2	20.2
6 - 10	12.4	14.4	16.6	9.8	12.0	13.5	13.5	8.8	13.3	12.8	17.4
11 - 15	32.1	36.0	39.9	28.7	29.3	28.5	26.4	32.3	24.5	24.3	26.1
16 - 20	28.9	25.5	26.7	34.6	26.2	23.3	38.8	24.6	22.4	22.6	20.5
more than 20	13.0	12.9	7.9	14.9	12.7	15.2	11.0	9.1	28.9	30.9	8.7
Studying/Doing Homework											
none	0.3	0.1	0.0	0.7	0.0	0.0	0.0	0.0	0.6	0.3	4.2
less than one	1.2	1.0	1.0	0.6	2.2	2.4	2.2	1.7	2.3	2.4	1.2
1 - 2	9.0	9.2	3.4	8.6	11.1	13.6	3.4	10.6	9.1	9.1	9.0
3 - 5	22.6	19.9	18.7	26.7	21.6	24.4	21.0	17.0	17.8	17.6	19.7
6 - 10	25.2	27.6	30.2	21.3	26.0	24.1	27.6	28.4	26.9	26.2	33.7
11 - 15	18.4	19.7	16.4	18.8	17.0	12.5	15.2	25.8	17.6	17.4	19.5
16 - 20	12.5	11.3	14.2	12.9	12.7	13.9	18.9	7.5	11.3	11.7	7.4
more than 20	10.9	11.2	16.1	10.4	9.5	9.2	11.6	9.0	14.4	15.4	5.3
Socializing with Friends											
none	0.1	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.3	0.2	1.8
less than one	1.5	1.0	1.5	1.8	1.5	0.4	8.1	0.0	1.6	1.6	2.0
1 - 2	5.6	4.3	2.4	8.3	4.6	5.1	4.8	3.6	7.9	7.1	16.0
3 - 5	15.2	14.0	10.6	18.1	14.6	13.1	13.9	17.5	26.1	26.1	26.5
6 - 10	23.8	25.8	23.3	22.7	23.2	22.8	26.7	22.1	18.3	18.0	21.7
11 - 15	18.4	17.4	22.4	16.7	20.1	24.8	12.7	15.8	14.6	14.4	17.5
16 - 20	11.5	13.7	14.7	9.5	10.6	10.4	14.4	9.0	9.3	9.6	6.5
more than 20	23.9	23.8	24.7	22.6	25.5	23.6	19.4	32.1	21.7	23.1	7.9
Talk with Faculty Outside Class											
none	9.2	13.7	10.3	6.0	8.1	10.4	4.9	5.7	10.2	10.4	8.4
less than one	41.5	44.5	46.6	40.9	37.1	41.3	35.4	30.6	39.1	38.5	44.4
1 - 2	35.2	32.6	32.1	35.9	38.2	33.1	34.2	49.2	30.2	29.2	39.2
3 - 5	10.9	7.9	9.1	12.8	12.5	12.2	18.0	10.1	18.2	19.4	5.8
6 - 10	2.8	1.3	1.7	3.8	3.6	2.7	6.7	3.7	1.2	1.1	2.3
11 - 15	0.3	0.0	0.2	0.5	0.5	0.2	0.9	0.7	0.2	0.2	0.0
16 - 20	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.5	0.5	0.0
more than 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.0
Exercising/Sports											
none	3.8	4.7	2.4	4.7	2.3	2.6	3.0	1.3	7.1	7.4	4.1
less than one	10.2	8.5	10.9	13.5	7.6	6.6	14.0	6.0	10.2	10.3	8.5
1 - 2	16.3	17.0	15.5	13.6	19.2	21.8	12.1	18.4	24.5	24.5	24.9
3 - 5	29.4	32.9	33.1	27.3	26.9	29.1	29.5	21.7	25.8	26.0	23.8
6 - 10	21.2	23.2	20.0	18.3	23.2	21.2	19.9	28.3	17.7	17.5	19.6
11 - 15	8.8	6.4	9.6	10.6	8.8	5.6	10.6	13.3	9.9	9.7	12.3
16 - 20	3.9	3.8	3.1	4.5	3.4	3.0	3.8	3.9	2.1	2.0	2.8
more than 20	6.5	3.6	5.3	7.6	8.6	10.0	7.0	7.2	2.7	2.6	4.1

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Reading for Pleasure											
none	21.3	24.1	24.2	22.9	15.3	16.4	18.2	11.9	19.7	20.0	17.0
less than one	27.0	28.2	20.3	24.4	31.4	32.8	33.1	28.3	29.0	28.0	38.9
1 - 2	26.7	28.5	29.5	23.2	28.2	24.4	26.4	35.7	25.6	25.4	27.1
3 - 5	16.9	12.6	17.2	22.3	14.6	12.5	14.5	18.3	13.2	13.5	10.1
6 - 10	6.2	4.3	6.9	6.3	7.8	10.0	6.7	4.6	10.4	11.2	2.2
11 - 15	0.8	1.5	1.5	0.3	0.5	0.4	0.6	0.6	1.1	1.2	0.0
16 - 20	0.5	0.0	0.0	0.1	1.8	3.0	0.4	0.5	0.4	0.3	2.3
more than 20	0.5	0.8	0.4	0.5	0.3	0.5	0.0	0.2	0.7	0.5	2.3
Using a Personal Computer											
none	31.4	34.1	25.0	29.7	32.7	35.6	34.3	26.6	43.1	42.8	46.0
less than one	19.8	19.1	16.0	21.1	20.4	17.2	17.9	27.3	16.5	16.1	19.8
1 - 2	18.9	18.3	20.5	21.4	15.7	14.1	13.3	19.9	16.7	16.9	14.9
3 - 5	14.4	13.0	21.2	13.2	15.2	14.5	17.8	15.1	11.6	11.8	10.0
6 - 10	8.5	9.3	10.3	8.0	7.7	7.9	11.1	5.5	7.0	7.4	3.4
11 - 15	2.6	3.5	4.3	1.5	2.5	3.2	1.1	1.9	1.6	1.5	2.3
16 - 20	2.4	1.5	0.9	3.0	3.0	4.5	2.3	0.7	1.4	1.3	2.5
more than 20	2.1	1.2	1.9	2.2	2.9	3.0	2.2	3.0	2.1	2.1	1.2
Partying											
none	11.7	9.6	11.8	13.2	11.8	11.0	17.6	10.2	11.3	10.3	20.6
less than one	10.3	10.4	7.0	12.6	8.4	5.9	8.8	12.6	10.3	10.1	11.9
1 - 2	15.2	13.2	14.1	17.2	15.2	16.0	13.0	15.1	14.3	14.4	13.6
3 - 5	21.8	22.8	23.9	19.0	23.5	20.7	25.1	27.6	21.5	21.0	25.5
6 - 10	17.9	17.9	17.0	16.7	19.6	22.3	15.0	17.3	21.7	22.5	14.5
11 - 15	11.3	11.7	11.2	10.9	11.4	12.5	7.7	11.6	7.7	7.6	9.3
16 - 20	5.4	5.7	7.7	6.4	2.9	3.3	4.6	1.4	7.4	8.0	1.5
more than 20	6.5	8.5	7.3	4.0	7.0	8.3	8.2	4.2	5.8	6.1	3.0
Working (for Pay)											
none	27.7	29.7	38.9	27.7	21.4	22.8	21.0	19.0	32.2	33.4	20.7
less than one	2.6	2.2	1.1	1.7	4.8	4.2	0.7	8.1	3.5	3.3	5.4
1 - 2	2.2	2.2	2.4	1.5	3.1	1.7	6.1	4.0	2.7	2.7	2.3
3 - 5	5.6	6.6	5.1	4.9	9.3	7.3	6.0	14.5	15.6	16.6	6.4
6 - 10	12.1	11.7	13.7	9.6	15.1	15.1	9.5	18.1	9.2	8.6	15.3
11 - 15	12.7	12.3	15.0	11.6	13.8	12.3	16.7	15.1	9.6	10.4	1.4
16 - 20	13.1	13.6	10.0	16.1	9.8	10.8	12.7	6.4	7.5	7.0	12.8
more than 20	23.0	21.8	13.7	26.8	22.7	25.8	27.3	14.9	19.6	17.9	35.7
Volunteer Work											
none	66.7	69.7	65.5	68.5	61.6	68.8	62.0	48.9	72.0	73.2	60.8
less than one	12.4	12.1	12.1	11.1	14.4	11.5	13.2	19.9	9.4	8.9	14.4
1 - 2	11.5	9.8	12.9	11.5	12.8	9.5	10.9	19.3	9.6	9.0	14.9
3 - 5	4.8	3.7	5.0	5.4	5.0	4.7	6.1	4.9	2.5	2.4	3.4
6 - 10	2.7	2.7	2.1	1.7	4.2	4.3	3.7	4.2	2.7	2.9	1.0
11 - 15	0.7	1.0	0.6	0.6	0.5	0.3	1.8	0.1	1.3	1.0	4.6
16 - 20	0.6	0.3	0.8	0.9	0.5	0.6	0.2	0.4	0.7	0.8	0.0
more than 20	0.7	0.7	0.9	0.2	1.2	0.3	2.0	2.4	1.8	1.9	0.9

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Student Clubs/Groups											
none	45.9	48.8	36.8	47.1	44.2	43.6	43.5	45.6	52.5	52.4	53.1
less than one	14.6	10.8	8.0	20.2	13.9	15.0	14.3	11.7	14.1	14.1	13.6
1 - 2	16.2	15.5	22.6	15.2	16.0	14.1	20.1	17.2	12.9	12.3	19.2
3 - 5	12.2	13.7	15.6	9.1	13.6	15.0	10.8	12.5	9.5	9.5	8.8
6 - 10	6.4	6.6	9.9	5.8	5.7	3.8	6.5	8.8	9.7	10.2	4.8
11 - 15	2.1	1.9	3.5	1.3	3.0	3.8	2.7	1.9	0.9	0.9	0.5
16 - 20	0.9	0.9	1.4	0.7	1.1	1.4	0.9	0.6	0.3	0.4	0.0
more than 20	1.6	1.8	2.2	0.6	2.5	3.4	1.1	1.8	0.1	0.2	0.0
Watching TV											
none	7.3	5.9	12.1	6.8	7.7	9.0	4.3	7.1	7.6	7.4	9.8
less than one	11.3	9.4	8.5	10.7	15.1	14.4	9.6	19.1	11.1	10.9	12.9
1 - 2	21.8	17.9	20.0	24.8	22.6	25.1	19.4	20.0	18.1	18.5	13.7
3 - 5	25.0	26.7	32.4	24.4	21.2	20.1	26.2	20.4	30.2	29.7	35.7
6 - 10	17.5	21.0	17.3	15.6	16.3	15.7	21.1	14.9	16.0	16.0	15.8
11 - 15	7.5	9.9	5.8	5.9	7.5	8.2	3.9	8.0	8.2	8.2	8.0
16 - 20	4.2	4.9	2.4	4.5	3.8	5.2	2.6	1.8	4.1	4.5	0.0
more than 20	5.5	4.3	1.6	7.2	5.9	2.3	12.9	8.7	4.7	4.8	4.1
Commuting to Campus											
none	37.3	32.9	51.1	37.5	37.3	37.1	36.1	38.3	28.5	27.7	36.3
less than one	21.6	23.4	16.6	20.5	22.9	19.4	20.7	30.4	16.6	16.6	16.6
1 - 2	17.9	19.2	14.6	19.5	15.4	16.5	21.7	10.2	26.4	27.0	20.6
3 - 5	13.2	15.6	11.1	14.1	10.1	10.8	9.4	9.2	16.3	16.1	18.4
6 - 10	6.4	6.0	5.7	5.6	8.1	8.7	6.1	8.1	9.5	10.2	2.7
11 - 15	2.3	2.1	0.9	2.0	3.4	4.2	3.1	2.2	1.6	1.3	4.1
16 - 20	0.4	0.2	0.0	0.3	0.7	0.7	0.5	0.8	0.0	0.0	0.0
more than 20	0.8	0.4	0.0	0.5	2.0	2.6	2.2	0.8	1.2	1.2	1.3
Religious Services/Meetings											
none	55.5	59.1	56.3	56.6	49.8	51.7	42.3	50.4	55.5	56.9	42.5
less than one	18.6	18.2	21.5	18.2	18.8	18.2	19.9	19.1	17.3	17.1	18.9
1 - 2	19.9	18.6	15.6	19.6	23.2	20.9	30.7	23.4	20.8	20.1	28.3
3 - 5	3.7	3.0	4.9	3.8	4.0	3.1	3.6	5.9	4.8	4.4	8.2
6 - 10	1.1	0.7	1.3	0.6	2.1	2.8	1.4	1.1	0.6	0.5	2.2
11 - 15	0.6	0.5	0.2	1.0	0.4	0.4	0.9	0.2	0.4	0.4	0.0
16 - 20	0.4	0.0	0.1	0.0	1.5	2.8	0.0	0.0	0.4	0.4	0.0
more than 20	0.1	0.0	0.0	0.1	0.2	0.0	1.2	0.0	0.2	0.2	0.0
Hobbies											
none	20.0	21.8	26.0	17.3	19.2	22.1	16.5	15.5	18.9	18.1	26.8
less than one	16.8	17.7	17.7	16.3	16.1	13.3	25.6	16.2	14.0	14.0	13.6
1 - 2	24.7	28.2	23.1	23.2	23.5	22.9	21.9	25.3	26.2	26.7	22.2
3 - 5	23.0	20.4	21.9	26.0	22.2	21.3	21.0	24.3	23.6	23.2	27.3
6 - 10	8.0	6.4	5.8	8.0	10.6	8.6	8.1	15.4	10.8	11.6	3.3
11 - 15	4.9	3.0	2.9	7.1	4.8	7.4	3.5	0.9	3.7	3.9	1.5
16 - 20	1.0	1.4	0.5	1.0	0.8	0.5	1.4	1.1	1.3	1.1	3.7
more than 20	1.7	1.2	2.2	1.1	2.8	3.8	2.1	1.3	1.5	1.5	1.6

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1984	98.0	99.1	99.6	96.1	98.8	98.7	99.2	98.8	85.8	84.3	94.2
1983	1.3	0.6	0.2	2.4	0.7	0.9	0.0	1.0	10.3	11.3	4.4
1982	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.0
1981 or earlier	0.5	0.3	0.2	0.9	0.1	0.1	0.3	0.0	2.2	2.6	0.0
H.S. equivalency (G.E.D. test)	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.2	1.4	0.0
never completed high school	0.1	0.0	0.0	0.0	0.3	0.3	0.5	0.2	0.2	0.0	1.3
Age on December 31, 1988											
20 or younger	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
21	2.5	2.6	4.9	1.4	3.3	4.3	1.9	2.6	2.5	2.2	4.3
22	81.0	79.4	83.8	82.4	80.0	80.8	84.8	75.5	67.6	65.6	79.1
23	15.3	16.6	11.0	14.5	16.2	14.2	13.3	21.4	18.9	19.9	13.5
24	0.3	0.1	0.0	0.4	0.3	0.6	0.0	0.2	6.9	7.8	1.7
25-28	0.5	0.5	0.0	0.8	0.1	0.1	0.0	0.0	0.9	1.1	0.0
29-33	0.1	0.0	0.2	0.3	0.0	0.0	0.0	0.0	1.6	1.9	0.0
34-43	0.3	0.7	0.0	0.1	0.0	0.0	0.0	0.0	1.1	1.0	1.3
44-58	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.5	0.0
59 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	86.0	91.4	91.9	82.2	84.0	77.1	91.9	90.2	89.5	89.2	91.1
Black/Negro/Afro-American	10.9	6.0	3.5	16.4	10.8	17.7	4.7	3.6	4.7	4.5	5.7
American Indian	0.6	0.0	0.2	1.1	0.5	0.4	0.0	0.9	0.7	0.9	0.0
Asian-American/Oriental	1.5	2.4	2.1	0.7	1.6	2.2	0.1	1.5	1.1	1.3	0.0
Mexican-American/Chicano	0.7	0.0	1.1	0.8	1.2	0.1	2.1	2.4	1.1	0.9	2.2
Puerto Rican-American	0.3	0.1	0.8	0.2	0.5	1.1	0.0	0.0	1.6	1.8	0.0
other	1.3	0.3	1.8	1.0	2.5	2.5	1.3	3.4	2.8	3.1	1.0
Type of High School											
public	80.9	85.0	75.5	82.7	76.0	77.8	60.3	83.3	90.8	90.9	89.5
private (denominational)	14.7	10.8	15.2	16.1	16.9	12.8	36.6	11.0	8.7	8.4	10.5
private (nondenominational)	3.9	4.1	8.8	0.8	6.3	7.9	3.1	5.7	0.6	0.7	0.0
other	0.5	0.2	0.5	0.4	0.8	1.5	0.0	0.0	0.0	0.0	0.0
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	96.1	95.8	97.4	96.2	95.9	98.1	94.5	93.1	94.3	94.5	92.8
mathematics (3 years)	88.8	90.5	95.1	85.6	89.4	93.8	86.5	84.1	72.3	70.7	82.3
foreign language (2 years)	75.5	80.7	92.0	65.7	78.2	82.5	85.9	66.4	59.0	59.3	57.2
physical science (2 years)	47.0	49.2	59.5	39.4	51.2	60.7	42.8	41.8	42.0	42.5	39.1
biological science (2 years)	39.1	38.7	37.8	38.5	40.7	43.1	35.3	40.4	33.2	33.6	30.4
history/Amer govt (1 year)	98.8	99.0	99.5	98.2	99.1	99.8	99.6	97.4	96.4	95.8	100.0
other social studies (1 year)	65.4	63.2	64.4	66.7	66.1	69.4	68.9	59.3	67.2	68.8	58.4
computer science (1/2 year)	48.9	51.7	51.6	46.2	48.8	48.1	57.9	44.2	38.1	38.8	33.2
art or music (1 year)	67.8	63.9	63.8	69.9	70.2	73.8	64.5	68.1	56.4	55.8	60.0

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	13.2	14.8	31.9	9.6	11.0	12.3	6.6	11.7	5.5	5.3	6.6
A-	15.7	18.7	21.9	12.3	15.3	13.4	15.2	18.7	8.4	8.6	7.3
B+	23.1	26.4	19.9	20.6	24.0	22.0	31.7	22.3	14.8	14.2	18.5
B	26.1	24.6	17.1	29.3	25.8	27.2	24.3	24.5	25.4	26.1	20.7
B-	9.3	9.2	4.9	9.5	10.4	10.1	12.7	9.3	16.0	13.4	31.4
C+	9.0	4.8	3.6	12.4	10.2	10.9	7.7	10.8	23.1	25.3	9.2
C	3.6	1.5	0.8	6.2	3.3	4.0	1.9	2.8	6.8	6.9	6.3
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Undergraduate Grade											
A	6.7	5.9	9.4	5.9	7.6	6.8	11.6	6.5	5.4	5.7	3.6
B+,A-	25.2	23.1	34.5	23.8	26.5	25.7	32.0	24.4	20.0	19.4	23.6
B	38.1	39.5	40.4	37.1	37.4	37.7	35.9	37.8	29.7	28.2	38.7
C+,B-	20.8	23.0	11.6	22.4	19.0	19.6	17.1	19.3	32.8	34.5	23.0
C	6.5	5.9	3.9	8.8	4.9	4.4	3.4	6.5	11.0	11.2	9.7
C- or less	2.8	2.6	0.3	2.0	4.6	5.8	0.0	5.5	1.1	1.0	1.4
Degree Aspirations in 1984											
none	0.6	1.4	0.2	0.4	0.0	0.0	0.0	0.0	3.0	3.3	1.1
vocational certificate	0.6	0.0	0.3	0.1	1.9	0.0	0.0	5.9	2.2	1.3	7.3
associate (A.A. or equivalent)	1.2	0.5	0.0	2.1	1.2	0.2	2.2	2.2	16.3	15.1	22.1
bachelor's (B.A., B.S., etc.)	35.2	40.9	24.2	36.8	30.9	29.9	35.3	29.3	44.7	46.9	33.1
master's (M.A., M.S., etc.)	38.8	37.3	34.5	41.6	38.1	38.2	36.8	38.9	20.2	19.0	26.5
Ph.D. or Ed.D	10.0	8.2	14.6	8.8	11.9	11.7	11.3	12.6	3.7	4.2	1.0
M.D., D.O., D.D.S., D.V.M.	7.0	7.0	15.5	4.2	8.1	11.1	6.9	4.3	6.7	7.1	4.5
J.D. or LL.B. (law)	5.0	3.2	10.0	4.6	5.8	7.3	2.3	5.8	2.1	2.0	2.5
B.D. or M.Div. (divinity)	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.7	0.3	0.0	1.8
other	1.5	1.6	0.7	1.4	1.9	1.6	5.2	0.2	0.8	1.0	0.0
Highest Degree Earned by 1988											
none	35.7	43.8	18.9	43.7	21.9	17.8	22.9	27.8	25.7	27.3	16.3
vocational certificate	2.4	1.1	0.5	2.6	4.2	7.2	0.4	2.0	13.3	14.2	8.0
associate (A.A. or equivalent)	7.3	7.7	1.7	8.9	6.5	4.7	8.3	8.3	41.0	38.3	57.0
bachelor's (B.A., B.S., etc.)	52.5	47.2	78.7	41.8	64.4	66.0	66.9	60.2	19.4	19.9	16.0
master's (M.A., M.S., etc.)	0.3	0.2	0.0	0.0	0.7	0.4	0.0	1.6	0.0	0.0	0.0
Ph.D. or Ed.D	0.3	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.2	0.0	1.3
M.D., D.O., D.D.S., D.V.M.	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J.D. or LL.B. (law)	0.1	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0
B.D. or M.Div. (divinity)	0.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other	1.0	0.0	0.2	1.2	2.1	3.5	1.6	0.1	0.4	0.3	1.3
Degree Aspirations in 1988											
none	1.8	1.7	0.7	2.0	1.8	1.9	3.0	0.9	2.9	3.1	1.7
vocational certificate	1.1	1.5	0.2	1.5	0.3	0.3	0.5	0.0	1.9	0.9	8.5
associate (A.A. or equivalent)	2.1	1.5	0.5	3.4	1.5	0.7	3.0	1.9	16.1	17.1	9.8
bachelor's (B.A., B.S., etc.)	24.7	26.9	17.1	25.7	23.2	17.7	17.4	35.7	34.8	33.8	41.1
master's (M.A., M.S., etc.)	46.8	46.4	41.9	46.2	49.3	55.5	50.5	38.6	33.2	34.0	28.3
Ph.D. or Ed.D	14.6	15.2	21.5	12.4	14.9	14.2	14.5	16.3	7.3	7.9	3.9
M.D., D.O., D.D.S., D.V.M.	2.8	1.8	6.2	2.5	3.3	3.8	3.7	2.2	0.9	1.0	0.0
J.D. or LL.B. (law)	4.5	3.8	10.2	4.2	4.1	4.7	5.0	2.6	1.8	1.1	5.9
B.D. or M.Div. (divinity)	0.3	0.0	0.0	0.3	0.6	0.2	0.8	1.1	0.2	0.3	0.0
other	1.3	1.2	1.8	1.7	1.0	1.0	1.5	0.6	0.8	0.8	0.8

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College Was Student's											
first choice	68.6	71.7	76.8	64.5	68.5	68.8	69.6	67.4	77.8	77.8	77.4
second choice	25.0	23.3	17.6	27.6	25.5	26.7	23.9	24.6	16.5	16.9	14.5
third choice	4.9	3.7	4.3	6.2	4.7	3.2	5.4	6.8	4.3	3.7	8.1
less than third choice	1.4	1.4	1.3	1.7	1.2	1.3	1.1	1.2	1.3	1.6	0.0
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	61.8	56.2	66.4	63.5	64.1	64.4	74.3	56.8	72.2	73.7	63.1
humanities courses	78.5	78.1	85.9	73.2	83.3	80.3	82.3	89.6	71.0	71.0	71.0
social science courses	73.3	73.6	80.9	70.3	74.7	76.2	68.2	76.3	71.2	72.2	65.4
courses in major field	81.1	82.1	89.0	76.7	83.6	88.4	84.4	75.2	80.0	80.1	79.7
general education requirements	63.1	57.1	75.3	58.7	71.3	75.5	70.5	65.0	67.2	66.4	72.0
relevance of coursework to life	52.7	49.2	59.8	47.0	61.4	61.0	62.7	61.1	55.5	55.1	58.4
overall quality of instruction	73.6	69.2	87.5	70.1	78.4	78.8	78.7	77.6	72.9	72.7	73.9
lab facilities and equipment	65.2	69.0	72.6	66.4	57.9	57.4	61.2	56.6	73.6	73.2	76.1
library facilities	69.8	82.8	70.3	68.3	58.7	57.9	56.1	61.7	80.1	81.9	69.3
computer facilities	67.3	74.1	70.9	64.6	63.4	62.4	61.2	66.5	77.1	79.6	61.6
oppty for interdisciplin courses	56.4	54.5	65.7	53.9	58.2	57.8	57.7	59.3	52.7	53.4	47.6
oppty to talk to professors	75.2	65.5	80.9	74.8	83.4	84.9	86.7	79.0	71.4	69.8	80.9
oppty for extracurr activities	73.4	70.1	77.9	73.6	75.0	75.3	69.1	78.3	66.9	68.2	59.8
campus social life	64.8	75.0	62.0	61.5	59.9	56.1	59.7	66.1	69.7	73.2	48.0
regulations on campus life	45.2	50.9	46.2	43.0	42.0	40.3	45.7	42.4	50.5	51.9	41.8
academic tutoring or assistance	60.8	52.7	57.8	59.8	69.2	67.8	72.1	69.6	68.7	68.9	67.5
academic advising	48.9	40.4	42.9	49.9	57.3	56.2	64.3	54.8	48.3	46.9	57.2
career counseling and advising	48.1	39.9	47.1	49.8	53.9	53.3	61.4	50.0	46.5	44.4	60.2
student housing	55.4	57.3	63.0	43.9	64.2	62.3	61.0	69.0	56.0	54.6	62.8
financial aid services	45.1	44.3	43.7	43.6	47.5	45.2	55.6	46.1	61.7	63.3	53.6
contact with faculty and admin	61.4	48.8	65.0	61.1	72.5	68.4	75.1	77.3	58.9	59.2	57.4
relations with faculty & admin	63.3	52.9	68.2	62.3	72.9	72.3	74.4	72.9	65.7	65.7	65.5
oppty to attend films,concerts	74.0	81.1	76.7	73.8	66.9	67.8	57.4	71.4	72.3	75.8	52.0
job placement services	47.7	50.0	51.3	46.8	45.9	46.4	42.7	47.3	40.2	39.6	43.6
campus health services	52.5	56.2	46.7	55.9	46.1	48.7	44.2	43.2	47.4	47.9	44.6
overall college experience	75.9	75.7	86.1	73.7	76.1	77.4	78.1	72.6	78.3	79.4	72.1
Enroll at Freshman College Again											
definitely yes	32.2	34.9	43.8	24.7	35.9	35.2	32.6	39.3	43.5	45.5	31.9
probably yes	32.8	33.6	30.1	36.9	27.3	31.4	27.2	20.9	27.8	27.1	31.6
don't know	4.2	4.3	4.5	3.7	4.5	5.7	4.5	2.6	1.9	1.4	5.4
probably not	18.4	16.7	12.5	20.7	18.8	16.0	19.9	22.8	15.8	15.7	16.5
definitely not	12.4	10.4	9.0	14.0	13.4	11.7	15.8	14.4	10.9	10.3	14.7
Plans for Fall 1988											
attend college full-time	30.8	39.1	19.1	32.0	24.1	24.1	21.9	25.6	29.4	28.4	35.4
attend college part-time	8.9	7.7	4.2	10.4	9.3	10.0	8.9	8.5	14.3	14.5	13.5
attend graduate school	12.6	10.9	22.9	9.1	15.9	17.3	12.5	15.6	4.9	5.6	0.8
attend vocational program	1.6	1.8	1.3	1.5	1.5	1.2	2.3	1.3	0.4	0.5	0.0
work full-time	55.5	47.6	55.0	58.2	60.3	59.4	63.9	59.4	57.3	57.7	54.8
work part-time	22.7	28.9	18.9	21.0	19.7	19.6	14.6	23.1	23.7	23.4	26.0
serve in Armed Forces	0.8	0.8	0.6	1.5	0.2	0.2	0.3	0.2	1.0	1.0	1.4
travel	6.9	6.5	7.1	6.7	7.6	8.3	9.6	5.1	6.4	6.1	8.0
do volunteer work	7.2	6.7	8.8	6.3	8.5	8.5	7.6	9.1	5.7	5.9	4.4
stay at home	7.8	8.5	6.2	7.3	8.0	8.9	6.8	7.2	10.7	9.4	18.7

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Took Time Off, Withdrew or Transferred											
no	62.4	62.4	82.4	59.7	60.3	64.2	61.1	53.8	55.3	56.2	49.7
transferred	21.2	20.3	11.0	22.2	23.7	21.8	28.3	23.7	25.9	25.2	30.1
withdrew	9.5	9.5	1.4	10.6	10.2	7.8	7.4	15.6	11.7	11.5	12.7
leave of absence	7.0	7.9	5.1	7.5	5.8	6.2	3.1	6.9	7.2	7.1	7.5
Reasons Noted as Very Important for Taking Time Off (4)											
changed career plans	32.1	31.7	38.5	32.0	31.9	38.4	26.5	26.2	33.3	35.0	*25.0*
couldn't afford college	21.2	19.7	25.0	20.7	22.7	23.4	26.4	20.0	16.7	16.8	*16.3*
didn't "fit in"	22.2	27.5	29.8	20.5	18.5	12.9	25.3	22.3	10.4	8.7	*18.5*
family responsibilities	14.5	16.3	13.7	11.9	16.3	13.2	13.6	21.7	12.4	10.4	*22.1*
had good job offer	10.8	11.7	3.0	10.4	11.4	16.0	7.8	7.5	13.3	12.8	*15.9*
reconsider goals & interests	44.8	40.4	47.0	45.7	47.7	53.1	35.8	46.9	44.0	44.3	*42.8*
tired of being student	7.3	8.7	7.7	6.6	6.7	6.3	6.2	7.6	13.5	14.7	*7.5*
wanted better acad. reputation	20.8	11.8	10.3	23.0	27.6	39.5	19.5	15.8	25.9	27.2	*19.5*
wanted better social life	14.6	11.8	13.0	9.8	23.2	18.2	24.1	29.3	7.3	6.2	*12.6*
wanted practical experience	22.1	20.6	12.2	19.9	27.5	26.5	23.4	30.7	19.2	17.6	*26.7*
wanted to be closer to home	14.3	11.1	27.9	14.9	14.7	9.8	18.4	19.4	8.7	7.1	*16.1*
wanted wider course selection	23.8	12.6	21.3	24.0	34.1	42.2	33.9	23.4	34.5	34.7	*33.5*
was bored with course work	14.3	11.1	9.1	17.9	13.2	11.4	20.4	11.7	10.1	11.3	*4.1*
wasn't doing well academically	22.0	27.4	17.6	25.2	13.5	14.6	10.3	13.8	34.7	37.8	*18.2*
ENROLLMENT STATUS											
First Year											
attended full-time	97.8	96.2	99.7	98.0	98.5	99.6	97.0	97.7	96.7	96.3	98.6
attended part-time	1.9	2.8	0.3	2.0	1.2	0.4	1.8	2.3	3.1	3.4	1.4
not enrolled	0.4	1.0	0.0	0.0	0.2	0.0	1.2	0.0	0.3	0.3	0.0
Second Year											
attended full-time	91.8	92.0	98.5	90.6	91.1	90.6	93.2	90.7	86.8	87.9	80.5
attended part-time	4.7	5.3	1.3	4.8	5.0	7.6	3.8	1.4	9.8	9.8	9.9
not enrolled	3.5	2.6	0.2	4.7	3.9	1.7	3.0	7.9	3.4	2.4	9.6
Third Year											
attended full-time	85.8	86.1	95.9	84.3	84.6	84.4	90.1	81.7	76.0	76.9	70.1
attended part-time	6.2	7.7	3.1	7.2	4.6	5.2	1.4	5.6	8.5	7.8	13.0
not enrolled	7.9	6.2	1.1	8.5	10.8	10.4	8.5	12.7	15.6	15.3	17.0
Fourth Year											
attended full-time	85.6	86.8	94.3	83.0	84.6	85.6	89.4	79.9	72.6	73.9	*64.7*
attended part-time	5.2	6.0	3.5	6.0	4.2	3.0	3.1	6.9	6.5	6.2	*8.4*
not enrolled	9.2	7.2	2.2	11.0	11.2	11.3	7.5	13.3	20.9	19.9	*26.8*

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Students Reporting Much Stronger Abilities and Skills in 1988											
ability to work independently...	33.5	31.0	34.5	32.8	36.6	44.3	34.7	25.4	26.3	24.8	35.1
acceptance of dif races/cultures	25.2	24.3	25.9	22.4	29.5	28.9	26.9	31.9	20.9	19.9	26.9
committment to specific career..	36.7	36.2	37.4	35.7	38.2	38.4	40.8	36.3	28.6	28.1	31.8
concern about financial security	35.3	35.0	29.7	37.8	34.1	35.6	31.6	33.2	37.6	39.1	28.2
confidence in academic abilities	25.4	23.3	25.7	25.6	27.0	26.5	34.0	23.5	20.2	21.0	15.0
critical thinking ability.....	35.3	32.0	44.9	30.5	41.9	45.7	38.7	37.8	21.4	21.2	22.9
cultural awareness.....	31.4	33.2	37.0	24.5	36.8	37.6	33.1	37.7	20.2	19.5	24.4
foreign language ability.....	8.9	9.0	12.5	8.1	8.7	9.4	9.1	7.4	5.7	6.4	1.7
general knowledge.....	50.8	53.2	55.6	44.9	54.7	57.9	54.2	49.8	41.1	40.8	42.9
interest in grad/prof school....	32.0	31.7	36.8	28.1	35.8	39.4	35.0	30.7	26.5	28.1	17.4
interpersonal skills.....	31.1	28.6	35.2	25.9	39.0	45.0	34.5	32.1	21.7	20.3	29.9
job-related skills.....	39.4	37.2	41.8	38.7	41.9	44.1	43.9	36.9	35.8	34.5	43.6
knowledge of particular field...	64.1	63.8	74.1	57.9	69.6	74.7	65.6	63.9	50.2	50.4	49.1
leadership abilities.....	22.7	21.1	21.4	21.3	26.6	33.4	20.1	19.7	15.3	15.0	17.3
motivation to earn degree.....	41.5	41.7	33.2	40.5	44.7	49.0	43.3	38.9	36.9	37.2	34.7
preparation for grad/prof school	23.8	24.3	31.1	16.5	30.4	32.9	30.6	26.4	15.1	15.4	12.9
problem-solving skills.....	29.0	25.6	32.5	26.7	34.1	39.4	30.3	28.1	21.6	21.1	24.4
religious beliefs & convictions.	9.3	8.0	8.1	6.4	14.5	15.3	14.0	13.6	7.1	7.6	3.9
speaking and writing ability....	29.8	25.4	32.1	30.4	32.7	37.2	33.0	25.3	22.9	23.8	17.9
tolerance of different beliefs..	26.6	26.5	26.8	22.6	31.9	30.4	35.1	32.3	19.4	18.9	22.9
Student Rated Self Above Average or Highest 10% in 1988											
academic ability.....	69.2	72.2	85.5	65.5	66.3	68.4	68.8	61.5	42.4	43.0	39.0
artistic ability.....	28.8	28.0	31.8	29.7	27.7	30.6	27.7	23.0	18.6	17.9	23.0
competitiveness.....	49.7	50.0	59.2	50.1	46.4	44.6	52.3	45.5	37.3	36.4	42.2
drive to achieve.....	69.7	69.0	80.3	67.3	70.4	74.2	70.1	64.5	53.5	52.8	57.5
emotional health.....	58.1	55.4	68.7	56.1	60.5	61.4	63.9	56.9	49.8	47.4	64.1
foreign language ability.....	35.5	35.0	52.6	32.1	35.8	36.7	36.9	33.6	24.5	24.6	23.9
leadership ability.....	58.3	55.0	65.1	57.1	61.3	66.1	58.5	55.3	36.3	34.9	44.6
mathematical ability.....	38.7	37.8	52.0	38.0	37.0	35.5	41.9	36.1	27.0	27.5	23.5
physical health.....	54.9	55.5	63.8	52.6	54.9	58.9	59.1	45.8	50.3	47.5	66.9
popularity.....	45.7	40.4	52.6	46.0	48.9	51.6	45.4	46.6	36.6	36.7	35.9
popularity w/opp sex.....	47.1	47.2	50.9	46.3	47.0	47.4	47.7	45.8	35.9	36.8	30.6
public speaking ability.....	38.9	34.7	44.9	37.9	42.8	49.8	39.2	33.8	22.7	22.5	23.7
self-confidence (intell).....	60.8	59.6	70.7	59.0	61.7	64.3	59.1	59.2	43.0	44.6	33.9
self-confidence (social).....	52.4	47.3	57.5	54.2	53.8	54.2	54.6	52.5	40.2	41.2	34.5
writing ability.....	57.5	57.1	69.9	53.1	59.9	61.9	54.8	60.0	42.3	43.5	35.0
Miles from 1984 Home to College											
5 or less.....	5.6	3.7	3.1	8.6	4.4	3.1	8.7	3.9	10.9	11.1	9.9
6-10.....	7.5	7.5	5.5	8.2	7.2	10.4	7.3	2.0	12.4	13.3	7.5
11-50.....	24.3	17.0	16.5	32.4	23.2	22.3	29.4	20.9	40.9	40.9	41.1
51-100.....	18.7	19.9	11.6	20.8	16.8	15.8	21.4	15.5	13.5	13.2	15.5
101-500.....	34.7	45.4	35.7	25.7	35.4	34.6	27.3	41.7	18.1	17.1	24.0
more than 500.....	9.1	6.5	27.5	4.3	12.9	13.8	5.9	16.1	4.1	4.4	2.0

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (in 1984)											
be elected to student office....	3.8	3.4	4.7	4.0	3.7	3.6	3.1	4.3	0.8	0.9	0.0
be satisfied with college.....	62.4	64.7	73.8	60.2	59.6	59.7	56.9	61.1	59.6	60.3	55.7
change career choice.....	15.3	16.1	23.9	12.8	15.2	13.3	19.1	15.6	7.2	7.2	7.3
change major field.....	15.1	14.6	25.0	13.4	15.2	14.3	19.7	13.7	5.9	5.7	7.3
drop out permanently.....	0.3	0.3	0.3	0.0	0.5	0.7	0.4	0.1	0.9	1.1	0.0
drop out temporarily.....	0.7	0.7	0.1	0.5	0.9	1.4	0.4	0.3	0.7	0.9	0.0
fail one or more courses.....	1.2	1.9	1.5	1.3	0.3	0.4	0.4	0.0	0.4	0.4	0.0
get job to pay expenses.....	42.8	41.0	42.6	45.3	41.5	41.7	44.1	39.4	32.1	31.6	35.0
join social frat or sorority....	24.9	22.8	35.6	24.3	24.9	25.2	18.4	28.8	7.3	7.1	8.8
make at least "B" average.....	44.2	44.0	55.9	41.3	44.6	47.1	44.1	40.8	39.1	39.8	35.3
marry while in college.....	5.3	5.9	3.9	5.4	5.0	3.7	7.6	5.3	5.4	4.6	9.9
participate in student protests.	3.4	3.2	3.5	2.7	4.3	4.7	5.5	3.0	2.3	2.4	1.3
play varsity athletics.....	11.5	7.9	11.2	11.2	15.3	14.1	19.8	14.4	6.7	6.0	10.8
receive individual counseling...	4.0	3.2	3.5	4.7	4.0	2.6	7.7	3.8	2.1	1.0	8.4
receive vocational counseling...	6.3	4.8	7.4	7.8	5.7	6.5	5.7	4.3	5.8	6.8	0.0
transfer to another college.....	9.1	6.6	5.2	11.5	9.8	8.5	11.9	10.5	10.0	10.3	8.3
work at outside job.....	23.3	22.9	16.7	29.9	17.2	13.7	24.0	18.5	17.0	16.8	18.0
work full-time while attending..	1.5	1.2	0.7	1.8	1.6	1.8	2.3	1.0	1.7	1.9	0.0
Events Occurring by 1988											
was elected to student office...	23.2	19.4	24.2	23.4	26.7	26.7	27.5	26.1	11.5	9.9	21.4
satisfied with freshman coll (5)	75.9	75.7	86.1	73.7	76.1	77.4	78.1	72.6	78.3	79.4	72.1
changed career choice (5).....	51.1	52.8	53.1	49.0	51.4	50.0	54.2	51.9	46.1	45.4	50.3
changed major field (5).....	51.8	57.1	49.8	51.4	47.4	50.0	46.9	43.4	43.0	43.3	41.0
dropped out permanently (5).....	9.5	9.5	1.4	10.6	10.2	7.8	7.4	15.6	11.7	11.5	12.7
dropped out temporarily (5).....	7.0	7.9	5.1	7.5	5.8	6.2	3.1	6.9	7.2	7.1	7.5
failed one or more courses.....	39.1	38.5	23.9	48.0	33.0	34.8	20.4	38.1	32.1	32.5	29.8
joined social frat or sorority..	28.8	27.3	42.5	28.2	27.2	20.8	16.1	44.2	9.0	8.9	9.7
made at least "B" average (5)...	70.0	68.4	84.3	66.9	71.5	70.2	79.5	68.7	55.1	53.3	65.9
married while in college.....	8.9	10.4	5.2	10.3	6.8	5.0	8.9	8.3	17.0	16.4	20.9
participated in student protests	15.4	10.8	17.2	17.9	16.2	20.0	12.3	12.5	5.1	4.3	10.4
played intercollegiate sports...	22.7	18.5	21.3	20.4	30.1	28.1	29.6	33.6	14.2	13.5	18.6
received personal counseling....	18.4	19.0	19.5	14.7	21.9	25.0	18.3	19.4	7.4	7.2	8.7
received vocational counseling..	47.1	45.8	52.3	43.6	51.0	52.6	51.9	48.0	35.1	33.5	44.8
transferred before graduating(5)	21.2	20.3	11.0	22.2	23.7	21.8	28.3	23.7	25.9	25.2	30.1
worked full-time while student..	18.7	19.5	11.4	22.1	15.6	15.6	16.6	15.1	19.0	17.8	26.5
worked part-time job off campus.	67.4	70.5	65.4	70.9	60.5	58.5	67.1	59.4	63.6	61.9	73.6
worked part-time job on campus..	52.0	50.9	58.5	45.2	59.7	56.6	59.9	64.5	31.5	31.4	32.5
Other College Activities											
enrolled in honors program.....	37.4	32.7	48.2	37.9	38.7	39.3	43.0	34.9	25.8	26.7	20.1
in college internship program...	29.1	24.0	33.7	26.6	35.8	36.4	42.7	30.5	20.0	18.9	26.4
in study abroad program.....	9.9	9.0	16.0	6.3	13.5	15.9	9.1	12.6	1.8	1.5	3.4
taken reading/study skills class	20.9	15.1	14.4	23.5	25.4	27.9	30.6	18.1	31.2	30.8	33.2
taken remedial/develop. classes.	14.1	9.8	2.7	20.7	13.6	17.7	9.1	9.9	21.3	23.1	10.3
worked in political campaign....	9.3	7.2	14.0	10.3	8.9	9.1	8.4	8.8	4.1	4.2	3.8
worked on prof's research proj..	17.9	18.6	23.7	14.9	19.1	21.7	13.8	18.1	8.8	8.4	11.5

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Past Year											
Reported in 1984											
attended public recital/concert.	80.5	79.2	83.9	80.0	81.5	80.2	78.1	85.8	73.8	70.3	94.7
didn't complete homework on time	62.7	63.1	59.9	59.1	67.3	64.0	68.1	72.0	55.5	54.2	62.9
drank beer	66.9	70.5	64.5	66.4	64.6	63.3	68.1	64.4	63.9	64.9	57.5
jogged (6)	21.4	22.0	22.1	21.9	20.0	17.3	25.8	20.6	15.2	15.4	14.2
missed school due to illness (6)	6.6	9.0	5.3	4.1	7.7	5.5	5.2	12.9	6.7	6.4	8.5
smoked cigarettes (6)	10.3	8.3	7.5	11.6	11.7	9.0	13.5	14.8	15.4	15.4	15.5
stayed up all night	74.6	74.5	75.4	74.1	75.2	74.1	74.4	77.4	73.4	74.0	69.5
won varsity letter in sports	41.9	43.8	40.3	42.1	40.3	34.9	45.9	45.3	31.8	31.6	32.9
Reported in 1988											
assisted faculty in teaching	19.5	17.6	16.5	17.3	24.8	28.0	21.4	21.8	14.8	13.9	20.3
attended musical recital/concert	75.1	70.3	82.6	74.1	79.0	78.6	75.7	81.8	56.8	56.2	60.6
been guest in professor's home	29.5	22.9	38.9	24.8	39.4	38.7	31.0	45.9	11.9	10.9	17.8
been lonely or homesick (6)	8.3	8.6	9.1	8.6	7.4	6.9	7.8	8.0	14.9	14.6	16.7
cheated on quiz or exam	14.5	12.3	10.1	16.2	15.6	14.3	14.8	18.4	14.9	13.5	23.6
confided in friend about problem	96.3	96.2	98.2	96.4	96.0	98.1	97.8	91.5	91.4	91.6	90.3
copied homework from other stdnt	25.0	26.3	22.1	26.1	23.0	21.4	21.5	26.6	22.5	21.2	30.5
didn't complete homework on time	51.3	52.5	50.8	49.7	52.2	50.9	49.6	56.1	37.7	36.8	43.0
discussed course w/student (6)	66.1	65.7	76.9	62.6	68.0	69.4	66.5	66.8	52.8	52.7	53.6
drank beer	74.1	76.0	77.4	72.6	73.3	69.7	78.1	76.2	69.6	72.2	53.4
drank wine or liquor	85.7	88.4	90.2	82.8	85.3	82.8	88.3	87.4	79.3	79.8	76.5
felt depressed (6)	16.8	15.9	14.0	18.8	15.8	15.1	12.3	19.3	13.1	12.8	14.9
felt like leaving college	39.1	38.3	28.5	42.8	38.1	34.4	36.4	45.3	44.6	44.2	46.8
felt overwhelmed (6)	35.5	35.7	36.4	33.6	37.3	35.8	30.1	44.5	26.7	27.1	24.6
jogged (6)	15.6	14.8	23.9	13.2	17.1	16.3	21.0	16.0	9.1	8.7	11.8
missed class due to illness (6)	3.1	3.4	1.1	2.4	4.3	1.7	0.9	10.7	2.0	1.6	4.2
participated in intramural sport	35.4	33.1	41.8	30.9	41.7	33.0	44.8	53.5	27.5	28.6	21.2
smoked cigarettes (6)	13.3	10.2	9.1	16.6	13.5	13.7	11.2	14.8	18.9	18.5	21.9
stayed up all night	65.1	66.4	61.7	66.3	63.3	58.7	63.3	70.8	59.8	60.5	55.4
took interdisciplinary course	48.1	46.4	61.5	43.7	51.6	49.0	58.9	51.1	33.3	34.9	24.0
tutored another student	45.2	41.2	47.2	43.4	50.8	52.9	45.8	50.5	34.3	34.6	31.9
worked on group proj in class	80.1	79.8	81.7	80.1	80.1	77.7	85.3	80.5	69.3	69.7	66.4
worked on independent res proj	48.6	40.0	56.4	47.4	56.8	61.0	55.0	51.1	34.2	34.3	33.6
Political Views in 1984											
far left	0.9	0.9	1.7	1.2	0.5	0.3	1.0	0.3	2.2	2.3	1.5
liberal	21.2	22.8	22.8	20.2	20.3	27.1	18.6	10.9	17.7	18.1	15.2
middle of the road	61.9	60.7	55.3	64.8	61.1	56.1	59.4	70.0	60.1	58.8	67.6
conservative	15.5	15.0	19.6	13.7	17.1	15.2	20.7	17.6	19.7	20.4	15.7
far right	0.6	0.6	0.7	0.1	1.0	1.2	0.2	1.2	0.3	0.4	0.0
Political Views in 1988											
far left	1.3	1.3	2.1	1.1	1.3	2.1	0.5	0.5	3.0	3.4	0.8
liberal	24.7	22.6	31.7	21.3	29.2	37.0	18.9	23.5	19.2	21.0	8.3
middle of road	51.9	54.3	45.8	53.3	49.4	44.1	58.9	51.5	57.8	55.0	74.3
conservative	21.8	21.7	19.9	24.2	19.5	16.7	21.0	22.8	18.5	18.8	16.7
far right	0.3	0.1	0.5	0.1	0.6	0.0	0.6	1.7	1.5	1.8	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1984											
with parents or relatives	12.1	9.1	6.3	13.9	14.8	13.7	13.1	17.6	25.7	26.5	*20.9*
other private home or apartment	25.2	29.3	11.2	31.8	17.0	17.2	23.8	12.4	27.0	26.8	*28.2*
college dormitory	51.1	50.2	70.0	43.9	55.2	58.0	47.4	56.1	27.8	26.1	*38.0*
fraternity or sorority house	6.1	5.1	9.5	3.4	9.3	5.9	13.3	12.0	3.3	3.1	*5.0*
other campus housing	3.9	5.5	2.8	3.9	2.6	3.1	2.5	1.9	13.2	14.1	*7.9*
other	1.6	0.9	0.4	3.1	1.0	2.1	0.0	0.0	2.9	3.4	*0.0*
Planned for Fall 1984											
with parents or relatives	20.4	15.5	8.8	30.3	15.9	18.5	23.3	7.0	52.7	56.2	32.9
other private home or apartment	3.0	2.5	0.6	5.6	0.9	0.5	0.5	2.0	4.6	5.4	0.0
college dormitory	74.3	78.8	90.0	61.4	81.9	80.7	74.6	88.6	38.1	33.6	63.4
fraternity or sorority house	0.2	0.4	0.2	0.1	0.1	0.1	0.0	0.3	0.8	0.9	0.0
other campus housing	1.7	1.9	0.5	2.4	1.0	0.2	1.5	2.1	2.1	1.8	3.7
other	0.3	0.8	0.0	0.3	0.0	0.0	0.0	0.0	1.7	2.0	0.0
First Year											
with parents or relatives	19.8	13.6	8.8	30.8	15.2	17.4	21.3	7.7	55.7	59.7	31.8
other private home,apt,room	4.4	6.0	0.7	6.6	1.3	1.0	0.9	2.0	5.6	6.4	0.9
college dormitory	74.0	78.8	90.2	59.7	82.5	80.4	76.4	89.6	36.1	31.5	63.8
frat or sorority house	0.2	0.1	0.0	0.2	0.2	0.2	0.3	0.0	0.0	0.0	0.0
other campus student housing	1.4	1.4	0.3	2.0	0.8	1.0	0.4	0.7	1.1	0.7	3.6
other	0.3	0.2	0.0	0.5	0.2	0.1	0.7	0.0	1.5	1.7	0.0
Second Year											
with parents or relatives	21.8	17.0	10.6	29.8	19.9	21.3	21.1	16.9	46.8	47.8	40.5
other private home,apt,room	12.5	20.1	13.3	10.6	7.1	6.7	8.6	6.8	15.0	15.3	12.8
college dormitory	56.8	52.0	65.6	52.3	64.4	63.3	60.1	69.2	28.7	26.2	45.0
frat or sorority house	3.3	4.7	5.9	1.7	2.9	2.1	0.7	5.7	0.6	0.6	0.9
other campus student housing	4.4	5.7	4.4	4.2	3.1	2.1	8.6	1.3	7.9	9.0	0.9
other	1.3	0.4	0.1	1.3	2.5	4.6	0.9	0.2	1.0	1.2	0.0
Third Year											
with parents or relatives	23.1	21.6	14.4	27.8	21.2	21.9	22.3	19.6	31.4	30.2	*39.2*
other private home,apt,room	28.2	42.7	32.4	22.8	18.7	15.1	24.0	21.0	35.6	37.4	*24.9*
college dormitory	33.3	21.0	33.1	34.0	45.0	48.9	38.0	43.2	25.3	24.6	*29.9*
frat or sorority house	6.3	6.1	10.8	7.4	3.8	2.5	1.3	7.3	1.2	1.1	*1.9*
other campus student housing	6.4	6.6	7.0	5.7	6.8	5.8	12.8	4.6	3.0	2.8	*4.0*
other	2.8	2.0	2.3	2.3	4.5	5.8	1.7	4.3	3.4	3.9	*0.0*
Fourth Year											
with parents or relatives	23.0	23.1	13.2	28.0	20.2	19.1	21.2	21.3	32.3	32.3	*32.1*
other private home,apt,room	38.2	53.4	42.9	35.1	24.8	21.5	28.0	28.2	44.0	45.2	*36.2*
college dormitory	24.1	13.3	27.5	21.3	37.1	42.9	27.9	33.5	15.9	14.6	*24.8*
frat or sorority house	3.7	3.4	8.2	2.9	3.6	2.2	2.4	6.7	0.8	0.5	*2.4*
other campus student housing	7.5	5.0	6.5	7.8	9.9	9.2	17.1	6.7	3.9	3.8	*4.5*
other	3.5	1.7	1.8	4.8	4.4	5.2	3.4	3.6	3.2	3.7	*0.0*

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Personal Objectives Noted as Very Important or Essential in 1984											
achieve in a performing art	15.4	12.7	18.5	18.6	13.1	13.4	11.6	13.6	10.2	10.4	9.0
be involved in environ cleanup	17.8	16.5	16.6	19.9	16.8	17.0	19.9	14.4	18.1	19.2	12.1
be successful in own business	48.6	44.5	44.3	49.6	52.7	56.8	42.9	52.3	53.3	54.5	45.8
be very well off financially	66.3	68.2	63.6	66.1	65.5	68.8	62.0	62.3	63.4	64.1	59.5
become authority in my field	74.5	76.0	74.7	75.9	71.4	71.5	66.7	74.2	67.6	67.3	68.8
create artistic work	13.4	13.1	12.2	13.5	14.0	16.8	9.7	12.4	10.1	10.1	10.5
develop philosophy of life	50.1	47.4	53.0	53.5	47.6	47.4	47.0	48.3	44.8	47.8	27.1
have admin. responsibility	43.7	42.2	42.8	47.1	41.1	42.7	47.6	34.4	38.1	39.0	32.5
help others in difficulty	73.5	71.3	73.7	75.3	73.2	72.9	68.8	76.6	60.9	59.7	68.6
influence political structure	16.7	13.6	19.0	20.1	14.7	16.2	15.6	11.5	8.2	8.7	4.9
influence social values	39.1	31.6	37.7	46.2	38.0	37.5	35.2	40.6	30.6	30.7	29.8
keep up with political affairs	38.1	36.9	50.9	36.5	38.0	43.1	34.4	32.1	24.6	25.2	21.3
obtain recog from colleagues	58.3	58.4	57.9	57.7	59.0	65.1	52.2	53.9	55.4	59.7	29.8
participate in community action	28.7	23.6	24.6	33.4	29.0	28.5	29.7	29.3	19.2	19.4	18.1
promote racial understanding	36.1	34.5	36.0	36.1	37.7	39.2	39.2	34.3	26.7	26.0	30.8
raise a family	70.2	68.8	71.7	72.5	68.4	68.0	76.2	64.0	67.0	63.6	87.4
theoretical contrib. to science	10.5	9.6	13.8	9.3	11.9	13.8	10.4	9.8	9.7	11.0	1.9
write original works	13.2	11.2	16.6	14.9	11.9	12.5	8.8	13.0	8.5	9.4	3.1
in 1988											
achieve in a performing art	8.4	7.3	9.2	8.3	9.2	11.5	6.1	7.7	8.8	8.7	9.3
be expert on finance/commerce	13.6	11.7	11.9	15.4	13.8	16.8	10.8	11.0	11.5	12.1	8.2
be involved in environ cleanup	18.5	16.1	18.1	16.8	23.0	25.6	18.5	21.7	17.3	17.9	13.9
be successful in own business	33.4	29.5	32.9	36.6	33.4	37.0	31.4	28.7	30.9	30.8	31.2
be very well off financially	57.7	57.7	54.5	57.2	59.0	60.7	59.0	56.4	58.3	59.4	51.2
become authority in my field	66.1	67.6	66.3	65.2	65.5	70.4	62.0	59.9	55.6	56.4	50.8
create artistic work	16.0	12.3	16.2	18.8	16.1	16.9	15.2	15.4	12.1	11.6	14.7
develop philosophy of life	48.2	47.0	53.9	46.7	49.7	50.7	48.5	48.9	34.6	34.9	33.1
get married	65.5	65.0	72.7	67.8	61.1	57.9	69.8	60.7	65.0	64.2	70.1
have admin. responsibility	43.5	44.1	47.5	42.6	42.9	46.7	45.4	35.1	46.1	48.7	31.0
help others in difficulty	67.0	66.3	71.0	65.1	69.1	70.4	68.2	67.6	66.2	66.3	65.6
influence political structure	15.0	11.1	15.0	16.1	17.4	20.4	15.6	13.8	6.9	7.3	5.0
influence social values	41.9	40.5	43.8	42.0	42.5	44.8	47.4	35.7	33.8	34.9	27.1
obtain recog from colleagues	50.3	48.5	59.2	48.3	52.2	58.1	55.2	40.8	46.4	49.1	30.6
participate in community action	24.4	24.0	28.0	20.8	28.4	30.6	23.7	27.8	15.5	16.2	11.6
promote racial understanding	33.7	29.4	38.0	34.4	35.9	39.1	31.5	33.6	17.8	18.4	14.2
raise a family	68.8	70.1	73.5	68.1	67.2	67.5	70.3	64.7	67.0	67.7	62.8
theoretical contrib. to science	8.8	8.1	11.0	7.9	9.9	11.6	8.6	7.9	7.6	7.9	6.0
write original works	13.5	13.1	19.6	12.0	14.1	15.1	16.1	11.2	11.0	12.0	4.8
Permission to Use I.D. in 1984											
yes	81.9	79.3	80.2	85.4	80.2	74.8	84.9	86.3	80.0	80.3	78.1
no	18.1	20.7	19.8	14.6	19.8	25.2	15.1	13.7	20.0	19.7	21.9
Permission to Use I.D. in 1988											
yes	69.5	69.5	73.4	69.6	68.3	69.0	72.2	64.4	65.7	65.0	70.3
no	30.5	30.5	26.6	30.4	31.7	31.0	27.8	35.6	34.3	35.0	29.7

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agrees Strongly or Somewhat in 1984											
abortion should be legalized....	54.7	61.4	66.6	47.3	54.3	57.5	40.3	58.5	54.1	54.2	53.5
activities of women best in home	13.5	12.0	5.8	16.5	13.4	15.6	10.3	11.9	19.4	18.6	23.6
busing OK to achieve balance....	52.7	48.3	47.8	53.4	57.7	64.0	50.7	52.1	61.6	62.4	57.1
college regulate off-campus acts	12.9	9.2	10.6	17.3	11.5	12.3	11.3	10.2	11.5	11.8	9.9
gov't not promoting disarmament.	72.7	74.8	77.6	71.8	70.4	68.2	72.6	72.3	68.9	66.9	81.1
high school grading too easy....	59.8	59.5	63.8	60.4	58.2	61.8	61.5	50.3	51.1	51.1	51.5
increase military spending.....	21.4	21.4	14.9	19.4	25.7	26.1	19.7	28.9	24.8	24.1	29.3
live together before marriage...	38.8	38.5	35.3	38.0	41.0	41.6	36.4	43.2	44.1	46.1	33.0
marijuana should be legalized...	20.3	22.0	16.1	20.6	19.2	15.8	22.8	22.4	19.1	17.1	30.5
national health care plan needed	61.6	56.8	55.3	66.0	62.3	61.6	61.1	64.3	68.5	69.8	61.0
prohibit homosexual relations	32.6	27.7	24.9	34.0	37.8	31.6	40.9	45.6	45.9	45.9	45.9
sex OK if people like each other	30.4	35.7	29.2	30.3	25.7	29.3	26.7	19.3	36.3	37.3	30.4
students help evaluate faculty..	73.0	76.4	80.3	72.2	68.8	70.5	70.4	64.8	66.8	66.5	68.3
in 1988											
abortion should be legalized....	63.7	68.7	75.2	61.9	57.6	66.8	43.6	52.0	55.6	56.7	49.4
activities of women best in home	10.5	7.9	5.4	11.3	13.4	15.4	9.1	13.0	7.8	8.6	3.5
busing OK to achieve balance....	44.9	42.6	47.2	41.1	51.3	51.8	44.6	54.8	41.8	42.3	38.8
college grading too easy.....	24.7	21.5	32.7	23.9	26.8	27.1	27.8	25.8	21.9	21.4	25.0
college raises earning power....	44.8	45.1	33.7	47.7	43.7	42.2	40.0	48.7	57.0	58.4	48.9
college regulate off-campus acts	8.3	6.0	9.7	9.2	9.0	9.0	6.5	10.7	9.7	9.4	11.3
employers can require drug test.	67.5	68.1	63.4	68.8	66.1	64.5	62.8	70.9	62.6	62.3	64.1
gov't not promoting disarmament.	75.0	71.5	80.1	76.1	75.6	76.4	75.9	74.2	72.2	73.5	64.4
increase military spending.....	15.3	11.9	12.1	19.9	13.6	12.5	13.2	15.8	15.9	14.9	21.7
live together before marriage...	40.0	39.4	43.2	39.5	40.5	43.1	32.1	41.7	40.2	40.2	39.9
mandatory testing for AIDS.....	49.8	49.2	45.5	49.6	51.9	50.3	51.1	54.9	62.5	62.3	63.3
marijuana should be legalized...	18.0	19.2	22.6	15.2	19.2	19.4	15.0	21.5	19.0	19.3	17.5
national health care plan needed	69.8	67.8	65.3	70.2	72.3	71.4	70.3	75.1	74.2	75.5	66.5
no coll invest in S Africa co's.	51.7	55.8	66.7	40.7	57.7	58.3	56.7	57.4	36.9	37.2	35.3
prohibit homosexual relations...	21.6	17.6	17.4	23.0	25.0	23.8	23.3	28.1	28.3	26.2	39.7
raise taxes to reduce deficit...	20.1	24.3	26.3	14.2	21.7	20.5	19.2	25.2	13.4	13.6	11.7
sex OK if people like each other	38.3	38.6	44.9	37.2	37.7	39.9	29.2	39.8	40.5	43.1	25.4
students help evaluate faculty..	86.0	89.2	89.2	82.9	85.8	86.7	88.4	82.6	82.7	83.8	76.6
College Objectives Noted as Very Important or Essential											
conduct research.....	35.7	35.5	39.9	34.6	36.1	37.3	35.3	34.7	30.2	32.3	17.5
convey apprec. of liberal arts..	50.7	42.3	66.7	40.6	67.5	65.6	67.7	70.4	25.2	22.7	39.7
develop clear thinking ability..	75.9	72.5	80.3	73.2	81.8	83.3	85.0	77.0	79.2	80.5	71.6
develop creative capacities.....	50.3	45.6	49.6	49.0	56.7	56.4	54.5	58.6	50.4	49.8	53.9
develop moral character.....	48.5	40.4	48.9	44.8	61.1	57.5	69.3	61.5	45.6	44.5	52.1
develop religious convictions...	17.0	5.7	24.3	13.9	30.3	20.7	51.5	31.9	11.9	9.7	24.6
develop responsible citizens....	51.5	46.7	52.1	50.0	57.9	57.6	65.1	54.0	44.7	42.7	55.9
gain deeper level of understand.	45.2	38.5	47.6	43.4	53.7	51.7	61.0	52.2	43.4	40.7	59.1
increase self-directed learning.	57.2	56.5	57.7	55.0	60.6	66.0	60.7	52.3	60.1	60.7	56.8
master knowledge in discipline..	66.6	65.3	73.6	62.1	71.6	72.8	74.9	67.5	51.8	53.8	39.8
prepare students for employment.	68.4	69.6	61.8	70.2	66.9	66.1	74.4	63.3	72.7	72.9	71.0
prepare students for family liv.	24.1	18.5	22.4	25.3	28.5	30.9	36.8	19.4	33.5	34.2	29.2
prepare students for grad school	49.6	47.3	54.0	45.9	55.4	57.9	54.6	52.1	40.8	41.6	36.5
provide for emotional develop...	39.5	34.7	39.7	37.6	46.6	48.5	51.3	40.3	36.8	34.8	48.6
provide skilled workers for bus.	46.0	43.9	36.3	49.6	46.2	50.8	51.7	35.4	59.9	59.8	60.2
provide tools for living in soc.	57.5	54.0	63.8	54.2	63.3	66.5	64.1	57.5	58.6	58.6	58.9

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
None											
attending classes/lab sessions	1.4	1.3	1.2	1.9	1.0	1.8	0.4	0.0	4.1	3.6	7.0
studying/doing homework	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
socializing with friends	0.2	0.5	0.0	0.0	0.1	0.0	0.4	0.0	0.2	0.3	0.0
talk with faculty outside class	10.1	13.7	5.6	7.9	10.4	11.0	5.0	13.0	19.7	21.6	8.5
exercising/sports	9.2	9.3	6.3	11.1	7.4	7.3	4.4	9.3	11.0	11.5	8.0
reading for pleasure	22.8	25.7	24.0	20.7	22.3	20.5	24.5	23.8	20.5	20.0	23.3
using a personal computer	43.3	48.3	32.6	41.4	43.7	43.1	48.0	41.9	50.8	48.6	64.3
partying	14.7	13.9	10.4	18.1	12.5	11.0	12.9	14.7	20.5	19.6	25.9
working (for pay)	24.1	22.5	25.9	24.9	24.3	23.3	22.3	27.3	37.2	39.5	23.6
volunteer work	63.4	68.6	60.4	59.8	63.6	66.7	57.8	62.1	76.0	75.8	77.1
student clubs/groups	43.6	47.6	33.7	44.7	40.9	38.9	42.6	43.0	62.1	62.2	61.3
watching TV	6.8	5.7	7.8	5.6	9.3	9.1	8.0	10.5	5.3	5.5	4.4
commuting to campus	40.9	34.8	44.6	36.6	51.3	55.9	39.3	51.5	30.9	30.8	31.5
religious services/meetings	49.5	53.7	55.3	45.3	49.0	54.7	34.3	49.0	57.7	60.4	41.2
hobbies	22.0	23.2	24.0	20.1	22.7	24.9	17.5	22.4	23.6	23.9	21.9
Six or More											
attending classes/lab sessions	88.1	90.5	92.4	88.1	84.8	81.6	90.9	86.1	73.5	71.4	86.7
studying/doing homework	73.4	76.5	83.2	71.6	70.1	73.8	65.7	67.1	74.8	74.7	75.2
socializing with friends	72.0	73.3	83.5	68.6	71.9	67.1	72.6	79.3	63.4	62.8	67.3
talk with faculty outside class	3.7	3.6	1.6	3.6	4.5	4.7	2.6	5.4	3.0	2.9	3.9
exercising/sports	20.1	20.6	23.2	18.2	21.0	21.7	29.0	15.0	13.9	12.5	22.1
reading for pleasure	7.3	6.5	10.1	7.7	6.8	5.0	5.1	10.8	12.7	14.0	4.5
using a personal computer	14.9	13.5	14.8	16.7	13.8	16.6	11.4	10.9	8.3	8.1	10.0
partying	27.3	28.9	36.4	23.6	28.0	25.3	33.9	28.7	28.1	29.5	19.6
working (for pay)	66.4	71.3	61.1	67.2	62.0	60.7	68.4	59.9	56.1	53.0	75.0
volunteer work	7.0	5.3	5.7	9.9	5.5	4.8	7.8	5.0	3.9	4.2	2.1
student clubs/groups	11.2	8.2	14.9	14.8	8.8	7.3	9.2	11.0	3.4	3.6	2.6
watching TV	28.7	34.1	23.4	29.1	24.1	23.6	20.2	27.3	33.1	33.7	29.3
commuting to campus	11.9	10.4	10.4	15.8	8.9	9.2	13.2	5.8	22.9	23.9	16.5
religious services/meetings	2.2	1.9	1.4	2.7	2.0	1.3	2.3	2.8	1.1	1.3	0.0
hobbies	7.3	6.8	5.2	9.1	5.9	6.8	5.8	4.5	9.7	10.8	2.8
Sixteen or More											
attending classes/lab sessions	42.1	44.7	37.8	43.4	39.0	34.2	50.8	39.4	40.1	38.4	50.4
studying/doing homework	22.8	24.4	28.1	20.7	22.5	22.1	21.8	23.5	18.8	18.4	21.5
socializing with friends	24.9	23.9	34.9	22.3	26.5	26.0	28.9	25.8	23.0	24.5	13.5
talk with faculty outside class	0.3	0.1	0.1	0.2	0.6	1.1	0.3	0.0	0.3	0.3	0.0
exercising/sports	2.6	1.8	3.6	3.0	2.6	3.2	2.2	1.9	1.6	1.7	1.6
reading for pleasure	1.4	0.9	1.6	2.0	1.1	0.7	0.3	2.4	7.0	7.8	1.9
using a personal computer	3.1	3.5	2.9	2.8	3.3	4.4	1.5	2.7	1.5	1.4	2.3
partying	6.4	5.3	6.8	7.9	5.5	4.2	6.1	7.3	5.1	4.7	6.9
working (for pay)	41.1	44.8	27.7	46.0	34.7	33.5	38.1	34.5	36.0	34.3	46.9
volunteer work	1.3	1.1	1.9	1.4	1.3	0.7	2.5	1.5	0.9	1.1	0.0
student clubs/groups	2.2	1.8	4.1	2.9	1.1	1.4	1.2	0.6	0.8	0.6	1.7
watching TV	4.7	5.2	2.5	5.8	3.4	4.7	2.8	1.6	10.1	11.3	2.3
commuting to campus	1.6	0.7	0.5	2.7	1.5	1.0	3.3	1.0	8.1	9.2	1.2
religious services/meetings	0.5	0.5	0.0	0.8	0.4	0.4	0.8	0.2	0.0	0.0	0.0
hobbies	1.3	1.3	0.7	1.2	1.5	2.2	0.0	1.3	2.0	2.3	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1984 (7)											
artist (including performer)	7.4	6.2	7.7	6.6	9.4	10.2	5.7	10.4	4.6	4.2	7.2
businessman	19.0	20.0	19.8	17.7	19.5	22.3	21.2	13.3	23.9	23.8	24.6
clergy or religious worker	0.1	0.0	0.0	0.0	0.3	0.2	0.0	0.6	0.2	0.0	1.6
college teacher	0.1	0.3	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
doctor (MD or DDS)	5.1	4.6	12.9	2.2	7.2	8.3	7.5	5.2	1.3	1.4	1.3
education (secondary)	3.5	3.3	3.2	4.1	3.0	2.4	4.0	3.2	2.5	2.7	1.6
education (elementary)	6.6	3.9	0.6	11.6	4.7	2.6	7.8	6.2	4.7	3.9	9.5
engineer	3.0	3.4	5.2	3.6	1.1	1.7	0.9	0.3	1.5	1.7	0.0
farmer or forester	0.4	0.8	0.0	0.3	0.2	0.1	0.0	0.4	1.9	2.2	0.0
health professional (non-M.D.)	8.3	11.1	5.3	9.1	5.3	5.4	4.3	5.9	8.4	8.6	7.5
lawyer	4.7	3.3	11.1	3.8	5.3	5.7	2.9	6.3	1.7	1.5	3.2
nurse	7.7	7.5	2.8	7.3	9.7	11.6	12.7	4.1	12.5	13.6	6.0
scientific researcher	1.2	1.4	1.6	0.8	1.3	1.5	0.9	1.1	1.2	1.4	0.0
other choice	20.2	20.2	16.6	20.1	21.3	16.8	15.3	33.4	27.8	27.6	28.7
undecided	12.9	14.0	13.1	12.9	11.8	11.0	16.7	9.6	7.7	7.5	8.9
Probable Career in 1988 (7)											
artist (including performer)	5.8	6.6	5.3	5.1	6.1	6.8	8.0	3.7	3.1	2.7	5.2
businessman	28.9	24.7	30.8	31.1	29.9	33.8	24.2	27.2	19.9	18.7	26.9
clergy or religious worker	0.1	0.0	0.5	0.0	0.2	0.1	0.3	0.1	0.0	0.0	0.0
college teacher	1.3	1.2	1.7	0.7	2.1	2.1	3.0	1.7	0.9	0.7	2.5
doctor (MD or DDS)	1.2	1.1	4.7	0.1	1.7	2.0	1.8	1.1	0.6	0.7	0.0
education (secondary)	5.2	6.0	2.2	5.7	4.5	4.4	2.6	6.1	2.7	3.1	0.8
education (elementary)	9.9	9.8	4.9	13.4	7.1	3.4	16.1	7.2	11.1	11.2	10.3
engineer	1.8	2.0	4.3	2.1	0.6	0.8	0.1	0.5	0.9	0.9	1.0
farmer or forester	0.4	0.9	0.0	0.0	0.3	0.2	0.6	0.4	0.9	1.1	0.0
health professional (non-M.D.)	4.9	5.9	5.5	4.5	4.4	3.8	3.0	6.5	5.0	4.3	9.3
lawyer	3.3	2.4	7.4	3.5	2.7	3.1	3.8	1.3	1.0	0.6	3.6
nurse	5.8	7.1	3.3	5.1	6.2	7.3	7.7	3.1	8.0	8.8	3.6
scientific researcher	1.5	1.2	2.3	1.5	1.4	1.6	1.4	1.3	0.9	1.0	0.0
other choice	24.4	23.9	21.4	22.6	28.0	25.1	24.6	35.3	41.3	42.3	35.5
undecided	5.5	7.3	5.8	4.8	4.7	5.4	2.9	4.5	3.5	3.9	1.4
Reasons Noted as Very Important or Essential for Choosing Career											
job opportunities available	60.2	59.9	52.3	65.9	55.5	59.7	58.0	47.1	68.5	68.4	69.4
can make contribution to society	63.2	65.5	63.6	63.3	60.8	61.7	68.7	54.3	55.8	56.4	52.2
enjoy working w/people in field	79.6	79.0	76.8	81.6	78.5	79.4	79.3	76.5	81.0	81.2	79.7
oppty for freedom of action	61.8	59.9	71.2	60.7	62.4	67.0	59.8	56.7	52.6	52.6	52.6
oppty for rapid career advancmnt	49.7	47.2	49.1	53.0	48.0	54.6	44.9	39.3	52.3	53.5	45.3
pays well	49.2	48.5	45.7	51.0	48.7	54.7	43.6	41.9	51.8	51.4	54.4
satisfies parent's hopes	11.9	11.3	10.3	13.8	10.4	10.3	11.1	10.1	11.3	11.5	9.8
work is challenging	84.9	82.4	90.0	84.4	86.7	86.7	88.3	85.7	76.6	77.2	73.0
work is interesting	95.8	94.5	97.1	97.0	95.3	95.4	95.4	95.0	95.5	95.7	94.1

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1984 (7)											
agriculture	0.4	1.3	0.0	0.3	0.0	0.0	0.0	0.0	1.7	2.0	0.0
biological sciences	5.2	5.3	6.8	3.6	6.8	9.3	4.2	4.2	2.9	3.1	1.6
business	20.8	19.6	19.2	19.1	24.6	25.5	24.6	23.1	38.1	37.8	39.8
education	10.0	8.7	2.3	14.3	7.8	5.1	12.2	9.3	7.4	7.0	9.3
engineering	2.9	3.5	6.4	3.2	0.9	1.6	0.3	0.2	1.9	1.8	1.9
English	1.6	1.2	4.0	1.1	2.0	2.6	0.6	1.9	0.0	0.0	0.0
health professional	16.9	18.6	14.8	17.7	14.9	16.4	18.7	9.8	15.8	16.2	13.3
history or political science	3.9	2.3	8.8	4.1	4.0	4.5	2.0	4.5	1.0	1.0	1.1
humanities	3.3	3.6	5.1	3.1	2.9	3.9	2.1	1.7	2.3	2.5	0.8
fine arts	4.2	4.3	3.0	3.2	5.8	6.3	1.8	7.7	2.8	2.4	5.3
mathematics or statistics	1.5	1.4	1.8	1.8	1.0	1.1	1.5	0.5	0.0	0.0	0.0
physical sciences	1.1	0.8	1.5	1.2	1.1	1.1	0.9	1.3	1.0	1.1	0.0
social sciences	6.5	4.1	4.4	4.9	11.5	7.7	10.5	18.7	4.1	4.7	1.0
other technical	6.0	6.5	4.9	7.2	4.4	4.3	2.8	5.6	7.4	8.0	3.6
other non-technical	9.1	12.9	7.6	9.0	5.9	5.6	8.4	4.7	10.0	8.7	17.9
undecided	6.5	6.1	9.5	6.3	6.4	5.0	9.3	6.8	3.8	3.7	4.5
Major Noted in 1988 (7)											
agriculture	0.4	1.2	0.0	0.3	0.0	0.0	0.0	0.1	0.9	1.1	0.0
biological sciences	3.9	4.0	6.5	2.5	5.0	4.1	4.2	6.9	3.5	3.8	1.6
business	23.9	20.8	17.3	29.0	22.0	23.5	23.3	18.9	30.1	30.3	29.0
education	14.6	14.2	7.9	19.2	10.8	5.9	16.7	14.8	17.8	18.0	17.1
engineering	1.9	2.6	4.4	1.8	0.5	0.9	0.1	0.3	1.4	1.5	0.9
English	4.3	2.6	4.3	3.4	7.1	9.9	7.8	2.1	0.7	0.9	0.0
health professional	7.9	9.9	7.2	6.7	7.7	7.9	9.7	6.2	8.4	7.8	12.0
history or political science	4.2	3.8	10.0	2.4	5.3	5.0	4.3	6.2	0.9	1.1	0.0
humanities	3.1	3.0	4.5	2.5	3.7	5.1	2.5	2.2	1.5	1.7	0.0
fine arts	4.1	4.4	3.6	3.3	4.9	6.3	2.0	4.7	2.9	2.4	5.5
mathematics or statistics	1.6	1.0	2.5	2.0	1.3	1.4	1.7	1.0	0.9	0.7	1.8
physical sciences	1.1	1.5	1.4	0.7	1.1	1.6	0.6	0.7	0.7	0.8	0.0
social sciences	14.4	14.9	15.8	10.8	18.1	16.6	10.4	25.7	10.8	11.6	6.1
other technical	4.2	3.7	2.6	4.2	5.1	5.2	3.4	5.8	4.8	4.0	9.4
otner non-technical	9.8	11.5	11.9	10.4	6.8	6.4	12.6	3.7	13.3	12.9	15.1
undecided	0.6	0.9	0.0	0.7	0.5	0.3	0.6	0.6	1.3	1.3	1.6
Religious Preference in 1984 (7)											
Protestant	45.2	45.3	38.3	49.1	42.0	44.1	13.5	56.9	44.9	44.8	45.4
Roman Catholic	37.7	34.2	39.4	35.6	43.3	38.6	80.8	26.9	37.0	36.1	42.4
Jewish	3.6	6.0	10.2	1.0	2.6	5.0	0.0	0.3	2.7	3.1	0.0
other	6.4	6.3	5.0	7.5	5.5	3.8	1.1	11.0	4.3	4.0	6.7
none	7.1	8.1	7.1	6.8	6.6	8.5	4.7	4.9	11.1	12.0	5.5
Religious Preference in 1988 (7)											
Protestant	46.7	47.4	37.8	49.9	44.5	44.0	13.8	64.5	41.2	40.1	47.4
Roman Catholic	35.5	32.5	35.7	34.7	39.4	35.1	76.4	22.7	38.9	38.6	40.7
Jewish	3.3	5.5	9.1	1.1	2.3	4.4	0.0	0.3	2.7	3.1	0.0
other	4.5	2.9	3.3	6.2	4.3	4.1	3.3	5.3	3.6	3.8	2.7
none	10.0	11.7	14.1	8.2	9.6	12.3	6.4	7.2	13.7	14.4	9.1

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Religious Preference in 1984											
Baptist	14.1	10.4	9.5	22.1	9.0	14.7	3.7	3.4	10.9	9.0	23.0
Buddhist	0.1	0.0	0.2	0.0	0.3	0.3	0.0	0.4	0.0	0.0	0.0
Congregational (U.C.C.)	1.8	2.5	2.0	1.3	1.7	2.6	0.0	1.3	3.8	3.8	3.6
Eastern Orthodox	0.6	0.6	1.2	0.3	0.8	1.2	0.4	0.3	0.2	0.3	0.0
Islamic	0.2	0.1	0.2	0.3	0.1	0.2	0.0	0.0	0.1	0.0	1.0
Jewish	3.6	6.0	10.2	1.0	2.6	5.0	0.0	0.3	2.7	3.1	0.0
Latter Day Saints (Mormon)	0.2	0.3	0.0	0.0	0.3	0.0	0.0	0.9	0.5	0.6	0.0
Lutheran	7.0	10.6	4.7	4.5	7.2	6.1	2.4	12.1	6.5	5.8	10.8
Methodist	10.5	9.2	8.1	12.8	9.7	7.8	2.0	17.8	10.6	11.5	5.0
Quaker (Society of Friends)	0.2	0.1	0.2	0.2	0.4	0.3	0.7	0.3	0.5	0.5	0.8
Roman Catholic	37.7	34.2	39.4	35.6	43.3	38.6	80.8	26.9	37.0	36.1	42.4
Seventh Day Adventist	0.2	0.3	0.5	0.0	0.1	0.1	0.3	0.0	0.9	1.0	0.0
Unitarian-Universalist	0.3	0.6	0.0	0.0	0.5	0.1	0.0	1.4	0.0	0.0	0.0
other Protestant	10.3	10.8	12.2	7.7	12.4	11.4	4.0	19.5	11.0	12.4	2.1
other religion	6.2	6.3	4.7	7.2	5.1	3.3	1.1	10.6	4.2	4.0	5.7
none	7.1	8.1	7.1	6.8	6.6	8.5	4.7	4.9	11.1	12.0	5.5
Religious Preference in 1988											
Baptist	14.3	9.8	8.7	21.4	11.3	16.8	4.2	7.0	10.7	9.0	21.0
Buddhist	0.2	0.4	0.5	0.0	0.2	0.2	0.0	0.4	0.0	0.0	0.0
Congregational	1.1	1.5	1.5	0.8	1.0	1.2	0.0	1.3	0.5	0.6	0.0
Eastern Orthodox	0.5	0.9	1.2	0.2	0.5	0.5	0.4	0.4	0.4	0.3	0.9
Episcopal	2.8	2.7	4.6	2.1	3.4	4.4	1.1	3.2	3.2	3.5	1.3
Hindu	0.1	0.0	0.9	0.0	0.1	0.2	0.0	0.0	1.4	1.7	0.0
Islamic	0.1	0.1	0.0	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.0
Jewish	3.3	5.5	9.1	1.1	2.3	4.4	0.0	0.3	2.7	3.1	0.0
Latter Day Saints (Mormon)	0.2	0.3	0.0	0.0	0.4	0.0	0.0	1.2	0.0	0.0	0.0
Lutheran	6.6	8.9	5.0	5.2	6.4	5.3	1.7	11.3	6.5	5.6	11.9
Methodist	10.0	9.3	6.6	11.7	9.3	6.8	1.5	18.4	8.1	8.7	4.6
Presbyterian	4.7	5.5	6.4	3.4	4.9	4.2	1.3	8.4	3.7	4.3	0.0
Quaker (Society of Friends)	0.2	0.1	0.2	0.0	0.5	0.5	0.5	0.5	0.7	0.6	0.7
Roman Catholic	35.5	32.5	35.7	34.7	39.4	35.1	76.4	22.7	38.9	38.6	40.7
Seventh Day Adventist	0.2	0.1	0.4	0.4	0.1	0.2	0.0	0.1	0.6	0.8	0.0
other Protestant	6.1	8.2	3.4	4.7	6.7	4.2	3.2	12.8	6.7	6.7	6.9
other religion	4.1	2.4	1.9	6.0	3.8	3.4	3.3	4.9	2.2	2.1	2.7
none	10.0	11.7	14.1	8.2	9.6	12.3	6.4	7.2	13.7	14.4	9.1

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1984											
accountant or actuary	7.1	6.8	4.8	8.0	7.0	8.4	8.9	3.3	10.6	11.3	6.3
actor or entertainer	1.1	0.5	0.9	1.5	1.2	1.1	0.9	1.6	0.6	0.7	0.0
architect	0.7	1.1	0.3	0.6	0.6	1.2	0.0	0.0	1.0	1.1	0.0
artist	1.2	0.9	0.2	1.0	2.1	3.9	0.8	0.0	1.3	0.9	3.7
business (clerical)	1.0	1.1	0.2	0.6	1.8	0.7	0.5	4.6	7.4	7.4	7.8
business (management)	8.9	9.0	10.1	7.8	9.9	11.1	10.2	7.5	9.2	8.7	12.2
business owner or proprietor	1.7	2.5	3.5	1.1	1.2	0.6	1.0	2.3	2.1	2.0	2.9
business sales rep or buyer	1.3	1.8	1.4	0.8	1.4	2.2	1.1	0.1	2.0	1.8	3.2
clergy (minister,priest)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
clergy (other religious)	0.1	0.0	0.0	0.0	0.3	0.2	0.0	0.6	0.2	0.0	1.6
clinical psychologist	1.4	1.7	2.5	0.5	1.8	1.9	3.0	0.7	1.2	1.4	0.0
college teacher	0.1	0.3	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
computer programmer	4.8	4.1	3.3	5.9	4.6	4.2	1.3	7.7	2.9	3.2	1.2
conservationist or forester	0.3	0.7	0.0	0.3	0.0	0.0	0.0	0.0	0.8	0.9	0.0
dentist (incl orthodontist)	0.6	0.2	0.9	0.9	0.6	0.3	1.5	0.5	0.3	0.3	0.0
dietitian or home economist	0.4	0.8	0.0	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.0
engineer	3.0	3.4	5.2	3.6	1.1	1.7	0.9	0.3	1.5	1.7	0.0
farmer or rancher	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.4	1.1	1.2	0.0
foreign service worker	1.5	1.3	4.3	1.1	1.4	1.3	0.4	2.2	0.1	0.2	0.0
homemaker	0.2	0.0	0.0	0.0	0.5	0.2	0.3	1.4	0.0	0.0	0.0
interior decorator	0.7	1.0	1.3	0.3	0.6	0.5	1.3	0.1	0.3	0.0	1.9
intepreter (translator)	0.6	0.9	1.0	0.4	0.4	0.5	0.3	0.3	0.2	0.3	0.0
lab technician or hygienist	1.2	1.7	0.5	1.3	0.7	0.9	0.2	0.9	2.1	2.3	1.2
law enforcement officer	0.7	0.0	0.0	0.4	1.9	0.0	0.8	6.0	0.8	1.0	0.0
lawyer	4.7	3.3	11.1	3.8	5.3	5.7	2.9	6.3	1.7	1.5	3.2
military service (career)	0.3	0.0	0.0	0.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0
musician (performer,composer)	1.6	0.8	0.9	1.9	2.3	0.2	0.0	7.3	0.4	0.3	0.7
nurse	7.7	7.5	2.8	7.3	9.7	11.6	12.7	4.1	12.5	13.6	6.0
optometrist	0.6	0.1	0.6	0.9	0.5	0.6	0.6	0.3	0.2	0.2	0.0
pharmacist	0.9	1.3	0.2	1.0	0.4	0.8	0.0	0.0	0.2	0.2	0.0
physician	4.5	4.4	12.0	1.3	6.6	7.9	6.0	4.7	1.1	1.1	1.3
school counselor	0.5	0.2	0.6	0.5	0.7	0.1	1.8	1.0	0.4	0.5	0.0
school principal	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	1.2	1.4	1.6	0.8	1.3	1.5	0.9	1.1	1.2	1.4	0.0
social worker	2.0	0.9	1.0	1.9	3.4	1.7	3.8	6.0	2.4	2.8	0.0
statistician	0.2	0.2	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0
therapist (phys,occup,speech)	4.2	5.5	3.8	4.2	3.0	2.4	2.9	4.1	4.9	4.9	5.0
teacher (elementary)	6.6	3.9	0.6	11.6	4.7	2.6	7.8	6.2	4.7	3.9	9.5
teacher (secondary)	2.9	3.0	2.6	3.5	2.3	2.3	2.3	2.2	2.1	2.2	1.6
veterinarian	1.1	1.6	0.2	1.1	0.7	0.7	0.5	0.7	0.7	0.6	1.3
writer or journalist	2.8	3.1	4.3	1.9	3.2	4.5	2.7	1.3	2.1	2.3	0.9
skilled trades	0.4	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other	6.4	8.8	4.1	6.3	4.7	4.9	4.8	4.4	11.7	10.3	19.7
undecided	12.9	14.0	13.1	12.9	11.8	11.0	16.7	9.6	7.7	7.5	8.9

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
DISAGGREGATED RESPONSES											
Probable Career in 1988											
accountant or actuary	6.2	5.5	7.2	7.2	5.3	5.6	4.7	5.2	5.3	4.9	7.4
actor or entertainer	0.5	0.7	0.6	0.5	0.2	0.2	0.0	0.3	0.0	0.0	0.0
architect	0.4	0.9	0.7	0.1	0.3	0.5	0.0	0.2	0.4	0.4	0.0
artist	0.9	0.7	0.2	0.9	1.3	2.0	1.0	0.2	1.3	1.2	1.9
business (clerical)	1.1	0.9	0.2	1.3	1.2	1.7	1.3	0.4	15.6	17.5	3.8
business (management)	17.1	16.3	18.0	16.0	18.9	23.3	12.9	15.3	10.5	9.5	16.7
business owner or proprietor	2.8	0.6	0.9	5.9	1.6	1.2	1.3	2.4	1.4	1.5	0.8
business sales rep or buyer	2.9	2.3	4.7	2.0	4.2	3.6	5.3	4.3	2.7	2.8	2.0
clergy (minister,priest)	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
clergy (other religious)	0.1	0.0	0.5	0.0	0.1	0.1	0.3	0.0	0.0	0.0	0.0
clinical psychologist	2.6	2.6	2.7	1.2	4.4	5.3	1.2	5.2	1.9	2.0	1.0
college teacher	1.3	1.2	1.7	0.7	2.1	2.1	3.0	1.7	0.9	0.7	2.5
computer programmer	2.4	2.0	1.4	2.8	2.8	2.6	2.1	3.4	1.5	1.8	0.0
conservationist or forester	0.3	0.9	0.0	0.0	0.2	0.2	0.0	0.4	0.4	0.5	0.0
dentist (incl orthodontist)	0.1	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
dietitian or home economist	0.4	0.3	0.3	0.5	0.2	0.2	0.2	0.3	0.4	0.4	0.0
engineer	1.8	2.0	4.3	2.1	0.6	0.8	0.1	0.5	0.9	0.9	1.0
farmer or rancher	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.5	0.6	0.0
foreign service worker	1.0	1.3	2.0	0.8	0.6	0.9	0.6	0.1	0.0	0.0	0.0
homemaker	0.1	0.1	0.4	0.0	0.2	0.3	0.5	0.0	0.9	1.1	0.0
interior decorator	0.8	1.0	0.3	0.6	0.9	1.0	1.3	0.4	0.4	0.2	1.5
intepreter (translator)	0.4	0.6	0.2	0.4	0.2	0.3	0.0	0.2	0.0	0.0	0.0
lab technician or hygienist	0.8	0.8	0.5	0.9	0.7	0.9	0.4	0.5	1.6	1.6	1.1
law enforcement officer	0.2	0.3	0.3	0.1	0.2	0.0	0.9	0.0	1.3	1.5	0.0
lawyer	3.3	2.4	7.4	3.5	2.7	3.1	3.8	1.3	1.0	0.6	3.6
military service (career)	0.5	0.7	0.0	0.8	0.1	0.0	0.0	0.2	0.0	0.0	0.0
musician (performer,composer)	0.3	0.6	0.6	0.0	0.4	0.3	0.0	0.7	0.0	0.0	0.0
nurse	5.8	7.1	3.3	5.1	6.2	7.3	7.7	3.1	8.0	8.8	3.6
optometrist	0.2	0.0	0.8	0.0	0.3	0.7	0.0	0.0	0.2	0.2	0.0
pharmacist	0.4	0.5	0.2	0.3	0.4	0.4	1.1	0.0	0.2	0.0	1.3
physician	1.1	0.9	3.8	0.1	1.7	2.0	1.8	1.1	0.6	0.7	0.0
school counselor	0.6	0.6	0.0	0.5	1.0	1.4	0.0	1.1	0.2	0.3	0.0
school principal	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	1.5	1.2	2.3	1.5	1.4	1.6	1.4	1.3	0.9	1.0	0.0
social worker	3.9	2.8	2.4	3.3	6.3	2.5	3.6	14.5	3.2	3.4	2.6
statistician	0.1	0.0	0.2	0.0	0.2	0.3	0.2	0.0	0.2	0.3	0.0
therapist (phys,occup,speech)	2.8	3.9	3.6	2.2	2.4	1.1	1.3	5.3	2.1	1.3	6.9
teacher (elementary)	9.9	9.8	4.9	13.4	7.1	3.4	16.1	7.2	11.1	11.2	10.3
teacher (secondary)	4.5	5.3	2.2	5.2	3.5	3.0	2.6	5.0	2.5	2.8	0.8
veterinarian	0.4	0.3	0.0	0.6	0.4	0.5	0.0	0.4	0.7	0.8	0.0
writer or journalist	3.3	3.6	3.5	3.0	3.4	3.3	5.7	2.1	1.3	1.3	1.9
skilled trades	0.2	0.4	0.0	0.2	0.0	0.1	0.0	0.0	0.2	0.2	0.0
other	11.5	11.3	11.0	11.6	11.5	10.7	14.2	11.1	16.1	14.1	28.2
undecided	5.5	7.3	5.8	4.8	4.7	5.4	2.9	4.5	3.5	3.9	1.4

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1984 (disaggregated)											
ARTS & HUMANITIES											
arts	1.9	1.4	1.5	1.4	3.0	5.3	1.8	0.1	1.9	1.4	4.6
English	1.6	1.2	4.0	1.1	2.0	2.6	0.6	1.9	0.0	0.0	0.0
history	0.5	0.7	0.0	0.4	0.7	1.0	0.3	0.4	0.3	0.3	0.0
journalism	1.9	2.4	3.3	1.8	1.1	1.4	1.4	0.6	1.3	1.4	0.9
language or literature	1.1	1.8	2.2	0.5	1.1	1.6	0.6	0.5	0.3	0.4	0.0
music	1.5	1.4	1.2	0.9	2.2	0.2	0.0	7.1	0.5	0.4	0.7
philosophy	0.2	0.2	0.5	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0
speech	0.3	0.1	0.3	0.5	0.2	0.2	0.0	0.3	0.2	0.3	0.0
theater or drama	1.2	0.6	0.8	1.9	0.8	0.8	1.3	0.5	1.1	1.3	0.0
theology or religion	0.1	0.0	0.0	0.0	0.3	0.4	0.0	0.6	0.0	0.0	0.0
other humanities	0.7	0.9	1.6	0.7	0.4	0.5	0.3	0.1	0.9	0.9	0.8
BIOLOGICAL SCIENCES											
general biology	2.9	2.6	3.6	1.4	4.9	6.8	3.5	2.8	1.0	1.2	0.0
biochemistry or biophysics	0.7	0.4	2.5	0.4	0.8	1.3	0.2	0.3	0.3	0.2	0.8
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0
marine (life) science	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.4	0.3	0.2	0.8
microbiology or bacteriology	0.4	0.5	0.0	0.6	0.2	0.2	0.2	0.1	0.3	0.4	0.0
zoology	0.3	0.5	0.1	0.2	0.2	0.4	0.0	0.1	0.0	0.0	0.0
other biological sciences	0.7	1.1	0.3	0.6	0.4	0.5	0.2	0.5	0.6	0.7	0.0
BUSINESS											
accounting	7.5	6.3	4.0	8.8	8.1	9.3	9.8	4.9	14.2	15.6	5.0
business administration	4.4	4.4	5.8	2.7	6.1	5.4	4.7	8.5	5.2	5.2	4.9
finance	0.8	0.9	2.0	0.3	1.1	0.9	0.3	1.9	0.5	0.4	0.9
marketing	2.2	2.5	1.9	0.8	3.6	3.9	5.9	1.6	2.4	2.6	1.3
management	3.5	2.9	3.5	4.0	3.5	3.9	2.9	3.3	4.2	3.4	8.6
secretarial studies	0.6	0.1	0.0	0.6	1.3	1.2	0.0	2.3	8.5	7.9	12.2
other business	1.8	2.5	2.2	1.8	0.9	0.9	1.2	0.7	3.2	2.6	6.8
EDUCATION											
business education	0.1	0.0	0.0	0.2	0.1	0.0	0.3	0.0	0.0	0.0	0.0
elementary education	5.1	3.0	0.6	9.1	3.3	2.1	5.5	3.8	3.4	2.9	6.4
music or art education	0.9	0.3	0.0	2.0	0.5	0.6	0.0	0.6	0.0	0.0	0.0
physical education or recreation	0.5	0.4	0.2	0.5	0.6	0.0	0.0	2.0	1.4	1.6	0.0
secondary education	1.4	2.6	0.9	0.6	1.5	1.2	2.0	1.7	0.6	0.7	0.0
special education	1.5	1.8	0.6	1.3	1.6	1.0	3.9	1.1	0.9	0.9	1.3
other education	0.5	0.5	0.0	0.6	0.3	0.3	0.5	0.2	1.1	1.0	1.5
ENGINEERING											
aeronautical/astronautical eng	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
civil engineering	0.5	0.6	1.0	0.5	0.2	0.4	0.0	0.0	0.6	0.7	0.0
chemical engineering	0.4	0.4	0.6	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0
electrical engineering	1.1	1.6	2.9	0.9	0.3	0.5	0.3	0.0	0.3	0.3	0.0
industrial engineering	0.3	0.3	0.0	0.5	0.2	0.3	0.0	0.0	0.0	0.0	0.0
mechanical engineering	0.1	0.2	0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.0
other engineering	0.5	0.4	1.6	0.7	0.1	0.2	0.0	0.1	0.8	0.6	1.9

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1984 (continued)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
chemistry	0.6	0.5	1.0	0.4	0.7	0.7	0.7	0.8	0.4	0.5	0.0
earth science	0.0	0.1	0.2	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.0
marine science	0.1	0.1	0.0	0.2	0.1	0.2	0.0	0.0	0.1	0.2	0.0
mathematics	1.4	1.3	1.8	1.7	1.0	1.1	1.5	0.5	0.0	0.0	0.0
physics	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.4	0.1	0.1	0.0
statistics	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical sciences	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture	0.6	1.4	0.0	0.3	0.4	0.6	0.0	0.3	0.3	0.3	0.0
home economics	1.3	3.6	0.0	0.5	0.3	0.0	0.5	0.6	0.8	1.0	0.0
health technology	1.8	2.5	1.9	1.8	1.1	1.6	0.3	0.9	3.6	3.8	2.5
library science	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
nursing	6.8	7.2	3.2	7.2	6.9	6.7	12.4	3.4	10.5	11.3	5.8
pharmacy	2.3	1.3	0.2	5.1	0.2	0.5	0.0	0.0	0.5	0.5	0.0
premed,predent,prevet	4.2	4.5	8.2	1.9	5.7	6.9	4.5	4.3	1.5	1.2	3.6
therapy	3.7	5.6	3.2	3.5	2.1	2.3	1.7	2.1	3.3	3.2	3.9
other professional	1.7	1.2	1.4	2.2	1.6	1.0	2.2	2.1	1.3	0.9	3.6
SOCIAL SCIENCES											
anthropology	0.2	0.3	0.2	0.0	0.2	0.3	0.0	0.2	0.0	0.0	0.0
economics	0.3	0.2	0.8	0.0	0.5	0.8	0.2	0.1	0.0	0.0	0.0
ethnic studies	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
political science	3.4	1.6	8.8	3.7	3.3	3.5	1.7	4.1	0.7	0.6	1.1
psychology	4.2	2.9	2.7	3.9	6.1	5.4	6.2	7.3	2.2	2.3	1.0
social work	1.6	0.5	0.2	1.0	3.7	0.5	2.6	9.9	1.6	1.8	0.0
sociology	0.3	0.1	0.2	0.0	0.9	0.6	1.3	1.0	0.4	0.5	0.0
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social sciences	0.1	0.0	0.1	0.0	0.2	0.1	0.2	0.3	0.0	0.0	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
data processing	1.8	0.9	0.8	3.4	0.9	1.1	0.0	1.0	1.4	1.7	0.0
drafting or design	0.1	0.0	0.3	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0
electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.6	0.5	1.2
OTHER											
agriculture	0.4	1.2	0.0	0.3	0.0	0.0	0.0	0.0	1.2	1.4	0.0
communications	2.5	1.9	1.9	3.4	2.1	2.3	3.0	1.0	1.4	1.5	0.9
computer science	2.4	3.1	1.9	2.0	2.3	1.6	2.0	3.8	1.7	2.0	0.0
forestry	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.0
law enforcement	0.3	0.2	0.8	0.3	0.3	0.3	0.8	0.1	0.8	0.9	0.0
military science	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other fields	1.4	3.4	0.2	0.9	0.4	0.5	0.4	0.4	4.3	3.0	12.5
undecided	6.5	6.1	9.5	6.3	6.4	5.0	9.3	6.8	3.8	3.7	4.5

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (disaggregated)											
ARTS & HUMANITIES											
arts	2.3	1.9	0.8	2.4	2.8	4.8	1.6	0.4	1.9	1.3	5.5
English	4.3	2.6	4.3	3.4	7.1	9.9	7.8	2.1	0.7	0.9	0.0
history	1.2	0.7	2.9	0.8	1.7	1.3	0.2	3.3	0.6	0.7	0.0
journalism	1.8	2.8	4.4	1.2	0.9	0.7	2.3	0.2	0.9	0.8	1.8
language or literature	1.2	1.2	3.1	0.5	1.7	2.7	0.8	0.5	0.1	0.2	0.0
music	0.9	1.0	1.0	0.3	1.5	0.4	0.0	4.3	0.0	0.0	0.0
philosophy	0.2	0.3	0.2	0.2	0.2	0.4	0.0	0.1	0.0	0.0	0.0
speech	0.5	0.5	0.6	0.5	0.4	0.7	0.4	0.0	0.3	0.3	0.0
theater or drama	0.6	0.5	0.3	0.9	0.4	0.3	0.2	0.6	0.8	1.0	0.0
theology or religion	0.2	0.0	0.2	0.0	0.5	0.3	0.9	0.7	0.0	0.0	0.0
other humanities	0.9	1.0	0.8	0.9	0.9	1.4	0.6	0.3	0.5	0.6	0.0
BIOLOGICAL SCIENCES											
general biology	2.9	2.5	5.1	1.7	4.2	3.1	3.8	6.3	2.7	2.9	1.6
biochemistry or biophysics	0.3	0.5	0.6	0.1	0.2	0.3	0.0	0.3	0.0	0.0	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
microbiology or bacteriology	0.2	0.5	0.4	0.1	0.1	0.0	0.2	0.3	0.2	0.2	0.0
zoology	0.2	0.1	0.0	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0
other biological sciences	0.3	0.4	0.2	0.2	0.2	0.3	0.2	0.1	0.6	0.7	0.0
BUSINESS											
accounting	5.8	4.9	4.4	6.8	5.7	5.4	7.5	4.9	6.8	6.3	9.2
business administration	3.9	2.6	1.7	3.9	5.8	4.8	5.7	7.5	4.9	4.7	6.1
finance	3.0	2.8	3.7	4.5	1.1	0.8	2.2	0.8	0.7	0.7	0.8
marketing	5.2	5.4	4.2	5.0	5.4	7.8	2.6	3.3	5.6	5.7	4.6
management	4.1	3.7	1.8	6.0	2.7	3.2	2.8	1.9	4.3	4.1	5.2
secretarial studies	0.7	0.5	0.0	0.8	0.8	0.9	1.7	0.0	7.0	8.1	1.3
other business	1.3	0.9	1.5	2.1	0.6	0.6	0.8	0.5	0.9	0.7	1.8
EDUCATION											
business education	0.4	0.2	0.0	0.6	0.4	0.0	0.0	1.2	0.2	0.2	0.0
elementary education	8.4	7.3	4.7	11.3	6.6	3.2	11.1	9.0	9.5	9.5	9.5
music or art education	0.7	0.4	0.3	1.0	0.7	1.0	0.0	0.8	0.0	0.0	0.0
physical education or recreation	1.1	1.0	1.4	1.6	0.5	0.0	0.8	1.1	1.2	1.4	0.0
secondary education	1.5	2.6	0.6	1.2	1.0	0.9	0.6	1.3	1.8	2.1	0.0
special education	1.3	1.7	0.2	1.6	0.9	0.3	2.7	0.7	3.0	3.0	3.1
other education	1.2	1.0	0.6	1.9	0.8	0.4	1.6	0.8	2.2	1.8	4.5
ENGINEERING											
aeronautical/astronautical eng	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
civil engineering	0.3	0.4	0.2	0.4	0.0	0.0	0.0	0.1	0.4	0.5	0.0
chemical engineering	0.3	0.3	0.4	0.4	0.1	0.1	0.0	0.1	0.2	0.2	0.0
electrical engineering	0.4	0.3	2.0	0.2	0.2	0.3	0.0	0.1	0.5	0.6	0.0
industrial engineering	0.4	0.5	0.7	0.5	0.1	0.1	0.0	0.0	0.1	0.0	0.9
mechanical engineering	0.2	0.5	0.2	0.1	0.1	0.3	0.0	0.0	0.2	0.2	0.0
other engineering	0.4	0.7	1.0	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
MAJOR IN 1988 (continued)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.6	0.7	0.3	0.3	0.8	1.0	0.6	0.7	0.4	0.5	0.0
earth science	0.1	0.1	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
marine science	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	1.5	0.9	2.5	2.0	1.2	1.3	1.3	1.0	0.9	0.7	1.8
physics	0.1	0.0	0.1	0.0	0.2	0.4	0.0	0.0	0.1	0.1	0.0
statistics	0.1	0.1	0.0	0.0	0.1	0.1	0.4	0.0	0.0	0.0	0.0
other physical sciences	0.3	0.6	0.8	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0
PROFESSIONAL											
architecture	0.4	1.1	1.1	0.0	0.2	0.3	0.0	0.0	0.7	0.9	0.0
home economics	1.0	1.9	0.2	1.1	0.3	0.3	0.4	0.2	0.6	0.7	0.0
health technology	1.3	1.2	0.8	1.5	1.3	1.6	1.5	0.7	1.2	1.2	1.0
library science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	4.9	5.6	3.2	4.4	5.5	6.0	7.5	3.3	6.0	6.5	3.4
pharmacy	0.5	0.7	0.2	0.3	0.6	0.7	1.0	0.0	0.2	0.0	1.2
premed,predent,prevet	0.3	0.2	0.6	0.4	0.2	0.1	0.2	0.4	0.0	0.0	0.0
therapy	2.2	3.5	3.2	1.6	1.5	1.1	1.0	2.5	2.2	1.3	7.3
other professional	1.0	1.1	0.0	1.0	1.2	0.7	2.5	1.1	3.8	2.9	8.6
SOCIAL SCIENCES											
anthropology	0.2	0.1	0.2	0.3	0.2	0.4	0.0	0.0	0.0	0.0	0.0
economics	1.4	1.7	3.5	0.7	1.4	1.9	0.7	1.1	0.8	0.7	1.4
ethnic studies	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
geography	0.2	0.1	0.0	0.4	0.1	0.1	0.0	0.0	0.4	0.5	0.0
political science	3.0	3.1	7.2	1.6	3.5	3.7	4.1	2.9	0.3	0.4	0.0
psychology	7.7	9.2	7.7	6.1	8.2	8.9	3.7	10.1	4.5	4.8	2.4
social work	2.1	1.7	1.3	1.1	3.9	2.6	1.9	7.4	1.8	2.0	1.0
sociology	1.8	0.8	0.7	1.6	3.6	2.0	3.7	6.0	0.7	0.5	1.4
women's studies	0.1	0.1	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
other social sciences	0.9	1.2	1.7	0.7	0.6	0.4	0.4	1.1	2.6	3.1	0.0
OTHER TECHINCAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
data processing	0.7	0.8	0.2	0.6	0.7	0.2	0.3	2.0	1.4	1.4	1.5
drafting or design	0.3	0.2	0.0	0.3	0.5	0.7	0.3	0.4	0.2	0.3	0.0
electronics	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.8	0.0	0.0	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.2	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.8	0.9	6.9
OTHER											
agriculture	0.4	1.1	0.0	0.3	0.0	0.0	0.0	0.1	0.9	1.1	0.0
communications	3.6	4.0	3.5	3.6	3.2	3.4	5.1	1.7	2.7	3.0	0.9
computer science	1.7	1.2	1.3	1.6	2.3	2.8	1.4	1.9	0.2	0.2	0.0
forestry	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
law enforcement	0.3	0.3	0.8	0.3	0.2	0.4	0.0	0.1	0.9	1.1	0.0
military science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other fields	2.1	1.4	3.1	3.2	1.1	1.0	2.3	0.5	4.3	4.4	3.9
undecided	0.6	0.9	0.0	0.7	0.5	0.3	0.6	0.6	1.3	1.3	1.6

1988 FOLLOW-UP OF FALL 1984 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Attending Classes/Lab Sessions											
none	1.4	1.3	1.2	1.9	1.0	1.8	0.4	0.0	4.1	3.6	7.0
less than one	0.6	0.2	0.2	0.5	1.2	2.4	0.0	0.0	2.9	3.1	1.8
1 - 2	3.1	0.7	1.3	2.9	6.3	8.6	2.7	4.9	8.9	10.0	2.5
3 - 5	6.7	7.4	5.0	6.7	6.7	5.6	6.0	9.0	10.5	11.9	2.1
6 - 10	12.3	11.1	17.0	10.9	13.9	12.8	10.5	17.8	11.1	11.9	5.9
11 - 15	33.8	34.7	37.6	33.8	31.8	34.6	29.6	28.9	22.4	21.0	30.5
16 - 20	28.1	29.1	27.4	29.2	25.8	19.9	36.5	28.4	24.8	24.2	28.9
more than 20	14.0	15.5	10.4	14.1	13.3	14.3	14.2	11.0	15.3	14.3	21.4
Studying/Doing Homework											
none	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
less than one	1.0	0.4	1.0	2.1	0.3	0.1	1.0	0.0	1.1	1.0	1.5
1 - 2	5.6	6.5	3.0	6.4	4.3	4.6	3.8	4.3	3.6	3.8	2.7
3 - 5	19.9	16.6	12.7	19.8	25.2	21.5	29.5	28.6	20.5	20.5	20.6
6 - 10	31.3	29.0	32.8	32.0	32.2	35.3	30.2	28.3	36.2	37.9	25.4
11 - 15	19.4	23.2	22.2	18.8	15.5	16.4	13.7	15.2	19.8	18.4	28.3
16 - 20	12.3	13.3	15.6	10.6	12.6	12.6	13.8	11.8	9.0	8.6	11.9
more than 20	10.5	11.1	12.5	10.1	9.9	9.5	8.0	11.8	9.8	9.8	9.6
Socializing with Friends											
none	0.2	0.5	0.0	0.0	0.1	0.0	0.4	0.0	0.2	0.3	0.0
less than one	2.1	1.4	0.3	1.3	4.3	7.7	1.3	0.7	9.2	9.6	6.7
1 - 2	5.8	5.2	3.2	7.6	4.9	3.9	6.5	5.5	7.8	7.8	8.1
3 - 5	19.9	19.5	13.0	22.5	18.8	21.3	19.2	14.6	19.3	19.6	17.9
6 - 10	30.0	29.2	27.2	32.2	28.6	26.4	28.7	32.1	26.5	24.2	40.9
11 - 15	17.1	20.1	21.4	14.1	16.9	14.8	15.1	21.5	14.0	14.1	12.9
16 - 20	10.5	10.4	18.2	7.7	12.0	11.7	10.5	13.4	11.7	12.8	5.4
more than 20	14.4	13.6	16.7	14.7	14.5	14.3	18.4	12.3	11.2	11.7	8.1
Talk with Faculty Outside Class											
none	10.1	13.7	5.6	7.9	10.4	11.0	5.0	13.0	19.7	21.6	8.5
less than one	38.9	44.9	43.6	38.7	32.0	31.8	39.9	27.2	34.6	34.2	37.5
1 - 2	32.8	27.1	36.5	34.8	34.9	35.7	35.6	33.1	30.2	29.2	36.5
3 - 5	14.5	10.6	12.7	15.0	18.2	16.9	16.8	21.2	12.4	12.2	13.5
6 - 10	2.5	2.2	1.2	2.4	3.1	3.3	2.2	3.4	2.5	2.3	3.9
11 - 15	0.9	1.3	0.2	0.9	0.8	0.3	0.2	2.1	0.3	0.3	0.0
16 - 20	0.2	0.1	0.1	0.2	0.2	0.3	0.3	0.0	0.3	0.3	0.0
more than 20	0.1	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0
Exercising/Sports											
none	9.2	9.3	6.3	11.1	7.4	7.3	4.4	9.3	11.0	11.5	8.0
less than one	14.3	13.9	12.0	15.3	14.1	15.0	13.1	13.1	18.5	18.3	20.1
1 - 2	25.6	25.2	22.3	25.9	26.5	25.7	22.0	30.7	26.7	26.7	26.9
3 - 5	30.9	31.0	36.1	29.5	31.0	30.3	31.4	31.9	29.9	31.0	22.8
6 - 10	13.0	15.1	16.3	11.2	12.1	10.5	17.0	11.4	10.2	9.1	17.6
11 - 15	4.5	3.6	3.4	4.0	6.4	8.0	9.8	1.6	2.0	1.8	2.9
16 - 20	1.0	0.7	1.4	1.0	1.3	1.7	1.1	0.7	1.0	1.1	0.0
more than 20	1.5	1.0	2.1	2.0	1.3	1.5	1.1	1.2	0.7	0.5	1.6

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Reading for Pleasure											
none	22.8	25.7	24.0	20.7	22.3	20.5	24.5	23.8	20.5	20.0	23.3
less than one	31.0	30.9	27.1	34.1	28.4	25.4	33.6	30.0	26.1	25.7	28.6
1 - 2	23.6	21.8	28.8	22.9	24.9	26.1	24.3	23.4	27.0	26.6	29.2
3 - 5	15.3	15.1	10.0	14.7	17.6	23.1	12.4	12.0	13.8	13.7	14.4
6 - 10	4.6	3.4	6.8	4.7	5.0	3.6	4.1	8.0	3.1	3.4	1.4
11 - 15	1.3	2.2	1.6	1.0	0.6	0.7	0.8	0.5	2.6	2.8	1.2
16 - 20	0.3	0.2	1.2	0.0	0.4	0.7	0.0	0.4	0.5	0.6	0.0
more than 20	1.2	0.8	0.5	2.0	0.7	0.1	0.3	2.0	6.5	7.2	1.9
Using a Personal Computer											
none	43.3	48.3	32.6	41.4	43.7	43.1	48.0	41.9	50.8	48.6	64.3
less than one	14.5	12.5	17.2	16.6	12.9	11.4	14.3	14.5	21.0	22.7	10.3
1 - 2	15.0	14.2	17.9	15.0	14.8	12.9	11.4	20.2	9.2	10.6	0.8
3 - 5	12.4	11.4	17.5	10.2	14.8	16.1	15.0	12.4	10.7	10.1	14.7
6 - 10	7.5	6.4	9.2	7.2	8.3	9.6	8.4	6.2	4.8	4.7	5.8
11 - 15	4.3	3.6	2.7	6.8	2.2	2.6	1.5	2.1	2.0	2.1	1.8
16 - 20	1.1	1.1	1.3	0.7	1.7	2.0	0.5	1.9	0.8	0.5	2.3
more than 20	2.0	2.3	1.6	2.1	1.6	2.4	1.0	0.8	0.7	0.8	0.0
Partying											
none	14.7	13.9	10.4	18.1	12.5	11.0	12.9	14.7	20.5	19.6	25.9
less than one	12.9	10.0	8.9	14.3	15.2	14.6	13.3	17.2	16.9	17.1	15.9
1 - 2	15.6	14.4	17.1	14.1	18.2	20.0	17.5	15.8	12.4	11.7	16.5
3 - 5	29.4	32.8	27.2	29.8	26.1	29.1	22.4	23.7	22.1	22.1	22.0
6 - 10	14.3	17.0	21.0	9.9	15.3	13.0	20.2	16.0	18.2	19.3	11.8
11 - 15	6.6	6.5	8.6	5.9	7.2	8.1	7.6	5.4	4.9	5.5	0.9
16 - 20	3.4	2.9	4.4	3.7	3.2	1.3	2.8	6.4	3.3	3.2	3.5
more than 20	3.0	2.4	2.5	4.2	2.4	2.9	3.3	0.9	1.8	1.5	3.4
Working (for Pay)											
none	24.1	22.5	25.9	24.9	24.3	23.3	22.3	27.3	37.2	39.5	23.6
less than one	1.5	0.8	2.1	0.3	3.6	6.4	1.1	0.6	1.2	1.4	0.0
1 - 2	1.9	1.0	2.0	2.3	2.4	2.8	2.8	1.6	0.9	0.8	1.4
3 - 5	6.0	4.3	8.9	5.3	7.7	6.8	5.4	10.6	4.6	5.4	0.0
6 - 10	12.6	11.8	19.8	9.1	15.7	14.3	16.4	17.7	11.4	11.1	13.5
11 - 15	12.8	14.7	13.5	12.1	11.5	12.9	13.9	7.7	8.6	7.6	14.6
16 - 20	17.1	21.6	13.6	16.4	14.5	16.7	13.6	11.3	12.4	12.3	12.7
more than 20	24.0	23.2	14.2	29.6	20.2	16.8	24.5	23.2	23.7	22.0	34.2
Volunteer Work											
none	63.4	68.6	60.4	59.8	63.6	66.7	57.8	62.1	76.0	75.8	77.1
less than one	10.7	10.0	10.8	11.1	11.0	10.7	14.6	9.2	7.9	7.9	7.6
1 - 2	12.1	9.6	13.1	13.2	13.0	10.1	14.2	16.8	7.2	7.3	6.5
3 - 5	6.7	6.4	10.0	6.0	7.0	7.7	5.5	7.0	5.1	4.8	6.8
6 - 10	4.3	2.5	3.5	7.1	2.9	3.1	2.8	2.6	2.5	2.6	2.1
11 - 15	1.4	1.8	0.4	1.4	1.3	1.0	2.5	0.9	0.4	0.5	0.0
16 - 20	0.5	0.5	0.3	0.6	0.6	0.1	1.0	1.3	0.4	0.5	0.0
more than 20	0.8	0.6	1.5	0.8	0.7	0.6	1.5	0.2	0.5	0.6	0.0

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE PAST YEAR SPENT ON											
Student Clubs/Groups											
none	43.6	47.6	33.7	44.7	40.9	38.9	42.6	43.0	62.1	62.2	61.3
less than one	11.3	12.1	7.7	9.3	14.1	16.0	10.2	13.5	10.1	9.6	13.4
1 - 2	19.0	19.1	20.3	17.5	20.3	20.3	23.9	17.9	16.5	17.0	13.9
3 - 5	14.9	13.0	23.5	13.7	16.0	17.6	14.1	14.6	7.9	7.7	8.7
6 - 10	7.3	5.5	8.1	10.2	5.2	3.7	6.8	6.7	2.4	2.6	0.9
11 - 15	1.8	1.0	2.6	1.8	2.4	2.1	1.2	3.7	0.3	0.3	0.0
16 - 20	0.9	0.9	2.1	1.0	0.3	0.2	1.0	0.2	0.2	0.2	0.0
more than 20	1.3	0.9	2.1	1.9	0.8	1.2	0.3	0.4	0.6	0.4	1.7
Watching TV											
none	6.8	5.7	7.8	5.6	9.3	9.1	8.0	10.5	5.3	5.5	4.4
less than one	15.1	11.4	17.3	14.1	19.4	23.6	15.6	14.8	9.7	10.1	7.0
1 - 2	21.9	22.1	22.5	23.1	20.1	18.9	19.6	22.4	27.2	27.2	27.5
3 - 5	27.5	26.7	29.0	28.0	27.2	24.8	36.7	25.1	24.7	23.5	31.9
6 - 10	19.2	24.1	17.3	17.7	16.7	14.5	14.1	21.9	17.1	16.5	20.7
11 - 15	4.8	4.8	3.6	5.7	4.0	4.4	3.2	3.7	5.9	5.8	6.3
16 - 20	2.5	2.7	1.6	2.6	2.5	3.9	2.3	0.5	0.8	0.9	0.0
more than 20	2.1	2.5	0.9	3.1	0.9	0.8	0.6	1.1	9.3	10.4	2.3
Commuting to Campus											
none	40.9	34.8	44.6	36.6	51.3	55.9	39.3	51.5	30.9	30.8	31.5
less than one	16.6	18.2	20.9	15.7	15.1	11.4	21.5	17.0	12.7	12.1	16.7
1 - 2	15.3	17.3	15.7	15.2	13.3	12.9	11.0	15.4	16.9	17.1	16.0
3 - 5	15.3	19.3	8.4	16.8	11.4	10.6	15.0	10.2	16.6	16.1	19.3
6 - 10	8.8	8.2	7.0	12.3	5.4	5.6	8.5	3.0	12.6	12.3	14.4
11 - 15	1.5	1.5	2.8	0.8	2.1	2.5	1.5	1.8	2.2	2.4	0.8
16 - 20	0.9	0.1	0.5	1.5	1.0	0.5	2.1	1.0	1.3	1.3	1.2
more than 20	0.7	0.5	0.0	1.2	0.5	0.6	1.2	0.0	6.9	8.0	0.0
Religious Services/Meetings											
none	49.5	53.7	55.3	45.3	49.0	54.7	34.3	49.0	57.7	60.4	41.2
less than one	17.0	18.5	15.3	15.7	17.6	17.4	17.9	17.6	16.4	15.9	19.5
1 - 2	26.3	20.0	22.2	31.7	26.8	22.8	40.6	24.6	22.6	20.8	33.6
3 - 5	5.1	5.9	5.8	4.7	4.7	3.8	4.9	6.0	2.2	1.6	5.7
6 - 10	1.3	1.2	1.4	1.4	1.3	0.4	1.6	2.6	1.0	1.2	0.0
11 - 15	0.3	0.2	0.0	0.5	0.2	0.4	0.0	0.0	0.1	0.1	0.0
16 - 20	0.4	0.3	0.0	0.7	0.2	0.4	0.0	0.0	0.0	0.0	0.0
more than 20	0.1	0.2	0.0	0.1	0.2	0.0	0.8	0.2	0.0	0.0	0.0
Hobbies											
none	22.0	23.2	24.0	20.1	22.7	24.9	17.5	22.4	23.6	23.9	21.9
less than one	25.3	24.5	27.3	29.6	20.2	18.5	29.1	17.4	24.3	24.4	23.8
1 - 2	27.7	26.0	29.0	23.4	34.5	36.0	28.1	36.2	26.1	24.3	37.5
3 - 5	17.7	19.4	14.6	17.8	16.7	13.8	19.4	19.6	16.3	16.6	14.0
6 - 10	4.7	3.8	3.3	6.4	3.7	4.1	5.1	2.2	6.6	7.5	1.4
11 - 15	1.3	1.7	1.2	1.5	0.7	0.5	0.7	1.0	1.0	0.9	1.4
16 - 20	0.5	0.1	0.7	0.6	0.8	0.8	0.0	1.3	0.6	0.7	0.0
more than 20	0.7	1.2	0.0	0.6	0.7	1.4	0.0	0.0	1.4	1.7	0.0

Appendix A

Weighting Methodology

Appendix A
Weighting Methodology

ADJUSTING THE 1988 FOLLOW-UP RESULTS

The 1988 Follow-up report contains two representations of your institution's data—"unadjusted" and "adjusted" for non-respondents. This document briefly explains why such adjustment is useful, how it was accomplished, and the implications of that adjustment for participating institutions.

Why Adjustment is Necessary

The 1988 Follow-Up of 1984 and 1986 freshmen shares a problem in common with many mail-out surveys -- low response rate. In the National Norms sample, some 26.1% of the 24,454 1984 freshmen, and 27.7% of the 26,411 1986 freshmen returned their surveys. Response rates varied significantly according to sex, race and type of school, with women responding more than men; whites and Asians responding more than blacks and other races; and students attending private schools responding more than those at public schools (see Tables A1-A3).

It is a well-known fact that people who do not respond to a survey are "different" from people who do. The way in which the difference manifests itself in any given survey depends on what the survey measures. In the case of the 1988 Follow-Up, two very important differences between respondents and non-respondents are academic achievement and retention (see Table A4). Some of the more striking examples include:

High School Grades - respondents are almost twice as likely to have a high school GPA of A- or better, and less than one-half as likely to have a GPA of C+ or less.

SAT Scores - respondents have higher overall SAT scores than non-respondents.

Retention - respondents were far more likely to have completed 4 years at their 1984 college (2 years for the 1986 cohort) and/or be currently enrolled. Non-respondents were more than twice as likely to have dropped out before completing their first year.

While some of these differences are clearly related to the demographic differences already mentioned, it is reasonable to assume that "success" in college may also be an influence on whether or not a student responds.

It stands to reason that such biases will yield results more optimistic than one might expect on such important issues as retention, academic performance and satisfaction. In order to provide a more reasonable estimate of the actual situation regarding these issues, we must find a method for estimating, in effect, how those students who did not respond would have answered the Follow-Up questions had they responded.

Computing the Adjustments for the National Norms Sample

Following the method developed by Astin and Molm (1972), we decided to describe the respondent and non-respondent samples more rigorously by using the statistical technique of multiple stepwise regression to identify freshman characteristics which predict whether or not a

student would respond to the Follow-Up Survey. In addition, regression helped in measuring the relative importance of inter-related factors (such as high school grades and SAT) in predicting response.

The variables used to predict response came from two sources—the 1984 (or 1986) Freshman Survey responses available for every student to whom a Follow-Up Survey was mailed, and a set of retention information obtained from the Registrar's Offices where the students were enrolled in their freshman year (response rates for Registrar's data are shown in Tables A1-A3).

Each cohort was divided into four groups on the basis of sex and the presence or absence of Registrar's data . A regression was then run on each group, using virtually every variable (over 300) in the Freshman and Registrar's data. Each regression produced a set of some 10-30 variables which had a significant predictive power, and an equation which indicated the relative contribution of each variable to the prediction (see Tables A5, A6).

By applying the appropriate regression equation to a single student's responses, it was possible to compute the probability that the student would respond to the survey (whether or not he or she actually responded). If the equations are reliable, students with a low probability of response should have, as a group, a smaller response rate than those with a high computed probability of response. Table A7 shows that the probabilities computed for the 1988 Follow-Up did discriminate well between respondents and non-respondents.

At this point, non-respondents were dropped, and a weighting factor was produced for each responding student, consisting of the reciprocal of the student's computed probability of response. Thus, a responding student with a low computed probability was given a large weight, while a responding student with a high probability of response was given a small weight. Responding students with low probability therefore stand "proxy" for other low probability students who did not respond. In effect, this procedure gives the greatest weight to the responses of those students who most resemble the non-respondents. An arbitrary ceiling of 99.99 was set for this weight, to prevent giving undue weight to any single case. About 0.1% of the students' assigned weights would have been higher than the ceiling.

Using these weights yielded counts that approximate the entire sample to whom Follow-Up surveys were mailed. Because the regression equations were not perfect predictors of response, and because the Follow-Up National Norms counts are estimates of the 1984 (or 1986) national population of first-time full-time freshmen, a second weighting factor was necessary. This new weight simply allowed the weighted counts to match the population counts by sex and stratification cell as indicated in the 1984 and 1986 National Norms. It compensated for two additional factors: the sampling of students for the follow-up, and the institutional sampling for the original freshman survey. The product of the two weighting factors comprise the final weight for each student.

Producing the Adjustments for Institutions

For individual institutions,the same method of producing adjustment weights was used (in 1988, participating institutions were asked to provide retention data). Each responding student had a probability score computed, the reciprocal of which comprised the adjustment weighting factor.

As with the National Norms data, the weighted counts only approximated the actual mailed sample for an institution. A second adjustment factor was computed to bring the weighted counts into agreement with the mailed counts. The product of the two factors comprise the final weight for the student.

Problems with the Adjustment

Analyses of the type used to produce the adjustments in the Follow-Up data for an individual instituton or for a particular stratification cell are subject to distortion under certain conditions. The most important of these is sample size. If a particular respondent group is small, individual differences between students (which are magnified by the weighting factors) can obscure trends which actually exist in the population. Generally speaking, if the respondent sample is less than 50, the adjusted results should be regarded with some caution. Percentages based on samples of less than 50 are indicated in the National Norms reports by italics.

Table A1
Response Rates by Sex

Sex	1984 Cohort Follow-up Percent	1984 Cohort Registrar Percent	1984 Cohort N	1986 Cohort Follow-up Percent	1986 Cohort Registrar Percent	1986 Cohort N
Male	22.1	51.5	13,067	22.2	57.1	14,465
Female	30.7	54.3	11,387	34.4	56.3	11,946
Total	26.1	52.8	24,454	27.7	56.7	26,411

Table A2
Response Rates by Race

	1984 Cohort Follow-up Percent	1984 Cohort Registrar Percent	1984 Cohort N	1986 Cohort Follow-up Percent	1986 Cohort Registrar Percent	1986 Cohort N
White	27.9	54.6	21,012	29.3	59.6	20,428
Black	12.4	35.0	2,172	15.2	33.6	2,469
Am. Indian	16.3	57.6	203	24.5	58.3	192
Asian	26.4	51.2	447	31.7	51.7	764
Chicano	20.9	57.3	225	22.3	54.0	300
Puerto Rican	15.0	53.3	120	19.3	44.8	145
Other	22.6	56.4	319	26.8	45.9	410
Total	26.1	52.8	24,454	27.7	56.7	26,411

NOTE: Sum of ethnic counts is larger than the "total" count because respondent may indicate more than one ethnic category.

Table A3
Response Rates by Norm Group

All 4yr Institutions	27.6	54.8	20,332	28.6	59.6	22,573
Public University	28.0	51.9	5,363	28.7	51.3	6,097
Private University	32.8	48.0	2,363	31.3	46.1	2,590
Pub 4yr College	22.9	43.9	5,053	24.8	58.4	5,669
Prv 4yr College	29.0	66.3	7,553	31.1	70.7	8,217
Nonsect 4yr College	28.0	53.0	3,711	28.1	51.5	4,193
Cath 4yr College	28.7	72.2	1,823	28.4	87.6	1,878
Prot 4yr College	30.4	77.7	2,069	34.6	82.0	2,269
All 2yr College	18.6	43.2	4,122	22.6	40.1	3,838
Pub 2yr College	19.0	36.8	3,253	23.0	29.9	2,964
Prv 2yr College	17.1	67.1	869	20.9	74.8	874
Total	26.1	52.8	24,454	27.7	56.7	26,411

NOTE: Historically Black colleges are included in the appropriate Norms Group. No separate Norms Groups for Black colleges were included due to low response rates.

Table A4
Selected Freshman Characteristics of Responders and Non-Responders to the 1988 Follow-Up

	Did Student Respond?			
	(1984 Cohort)		(1986 Cohort)	
	no	yes	no	yes
High school grades A- or better	21.1	38.1	23.0	39.2
High school grades C+ or worse	20.0	8.5	20.1	9.0
White students	83.8	91.9	75.6	81.8
Black students	10.5	4.2	11.0	5.1
Completed less than 1 yr of coll	12.6	4.6	12.9	5.0
Completed 4 (or 2) yrs of coll	43.2	67.1	62.6	79.0
Currently a student	32.2	43.6	66.5	79.7
Received BA	30.3	54.9		
Average SAT Composite	947.5	1031.6	962.6	1032.8

Table A5
Top Five Predictors of Response: 1984 Cohort

Men - Registrar's Data (R=.34)	*Beta*
Registrar: received bachelor's degree	.134
Average high school grade	.063
Opinion: gov't not controlling pollution	.060
1983 activity: overslept & missed class	-.046
Opinion: prohibit homosexual relations	-.045
Women - Registrar's Data (R=.34)	***Beta***
Registrar: number of years completed	.101
Registrar: received bachelor's degree	.089
Average high school grade	.071
Source of aid: other savings	.054
Major: physical science	.051
Men - No Registrar's Data (R=.26)	***Beta***
Average high school grade	.114
Racial background: white	.053
Institutional selectivity	.053
Mother's religion: protestant	.052
Opinion: sex OK if people like each other	-.046
Women - No Registrar's Data (R=.29)	***Beta***
Average high school grade	.091
Source of aid: other savings	.081
Source of aid: parents or family	.060
Racial background: white	.057
1983 activity: played musical instrument	.054

Table A6
Top Five Predictors of Respone: 1986 Cohort

Men - Registrar's Data (R=.31)	*Beta*
Average high school grade	.094
Registrar: number of years completed	.088
Registrar: SAT composite score	.046
Reason for college: improve study skills	-.044
Hours per week spent partying	-.039
Women - Registrar's Data (R=.33)	***Beta***
Source of aid: other savings	.061
1983 activity: didn't complete homework	-.061
Registrar: enrolled in Fall 1988	.060
Racial background: black	-.057
Registrar: number of years completed	.056
Men - No Registrar's Data (R=.29)	***Beta***
Average high school grade	.094
Goal: become authority in own field	-.055
Future activity: drop out permanently	-.055
Goal: be expert in finance or commerce	-.051
Self-rating: mathematical ability	.051
Women - No Registrar's Data (R=.28)	***Beta***
Average high school grade	.103
Mother's religion: protestant	.058
Chose this college: offered financial aid	.054
Opinion: gov't not controlling pollution	.054
Reason for college: imrpove study skills	-.053

Table A7
Response Rates by Computed Probability of Response

Computed Probability of Response	1984 Cohort		1986 Cohort	
	Percent	N	Percent	N
0.0 - 0.1	7.0	3,153	8.0	2,999
0.1 - 0.2	13.9	5,400	14.5	5,359
0.2 - 0.3	23.2	6,512	22.8	6,803
0.3 - 0.4	34.5	5,121	34.1	5,905
0.4 - 0.5	45.4	2,802	45.7	3,415
0.5 - 0.6	57.0	1,130	56.6	1,396
0.6 - 0.7	66.8	268	67.7	409
0.7 or more	77.9	68	80.8	125
Total	26.1	24,454	27.7	26,411

Appendix B

Converting ACT Scores to SAT Equivalents

Appendix B
Converting ACT Scores to SAT Equivalents

The ACT equivalent was obtained by summing three ACT subtests (English, Natural Sciences, Social Sciences) and converting to SAT equivalent by the equipercentile method (N=14,865). The sum of the three (range 3-108) ACT subtests was used (rather than simply the ACT English subtest) because it resulted in a better correlation with the SAT Verbal score (r=.82 vs. r=.69). If a record had one or more of the ACT subtests missing, the entire record was dropped from the file. The resulting conversion table is shown below.

ACT Sum	SAT Verbal
108	800
107	800
106	800
105	800
104	800
103	800
102	800
101	790
100	770
99	760
98	750
97	740
96	730
95	720
94	710
93	700
92	690
91	680
90	670
89	660
88	640
87	630
86	620
85	610
84	600
83	590
82	580
81	570
80	560
79	550
78	540
77	540
76	530
75	520
74	510
73	510
72	500
71	490
70	480
69	480
68	470
67	460
66	460
65	450
64	440
63	440
62	440
61	430
60	430
59	420
58	420
57	410
56	410
55	400
54	400
53	390
52	390
51	380
50	380
49	370
48	370
47	360
46	360
45	350
44	350
43	340
42	340
41	330
40	320
39	310
38	310
37	310
36	300
35	300
34	290
33	280
32	280
31	270
30	260
29	260
28	250
27	250
26	240
25	230
24	230
23	220
22	220
21	210
20	210
19	210
18	210
17 or below	200

ACT equivalent is obtained by an equipercentile conversion of the ACT Mathematical subtest score (range 1-36) to SAT. The correlation between SAT-M and converted ACT-M is .85 (N=14,000).

ACT ACT Math	SAT Math
36	780
35	750
34	730
33	710
32	700
31	680
30	660
29	640
28	610
27	590
26	560
25	530
24	510
23	500
22	480
21	470
20	460
19	450
18	440
17	430
16	410
15	390
14	380
13	370
12	360
11	350
10	340
9	330
8	330
7	320
6	300
5	290
4	280
3	270
2	260
1	240

Note: Adapted from Astin, Henson, and Christian (1978).

Appendix C

1988 Follow-Up Survey Instrument

1988 FOLLOW-UP SURVEY OF COLLEGE STUDENTS

PHONE: (123) 456-7890 BIRTH DATE: 01/23/45

IF THE NAME, ADDRESS OR BIRTHDATE IS INCORRECT, PLEASE PRINT THE CORRECT INFORMATION BELOW:

NAME (FIRST, MI, LAST)
ADDRESS
CITY, STATE, ZIP
PHONE
BIRTHDATE (MONTH, DAY, YEAR)

1 1234 123456/84
2097151
SAMP L STUDENT
123 4TH STREET
ANYTOWN, CA 12345

Ⓓ Ⓡ Ⓝ

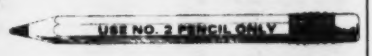
DIRECTIONS:

Your responses will be read by an optical mark reader. Your observance of these few directions will be most appreciated.

- **Use only a black lead pencil (No. 2 is ideal).**
- **Make heavy black marks that fill the circle.**
- **Erase cleanly any answer you wish to change.**
- **Make no stray markings of any kind.**

EXAMPLE: Will marks with a ball-point or felt-tip pen be properly read?

◯ YES ● NO



1. **If you could make your college choice over again, would you still choose to enroll at the college you entered as a freshman?**

◯ Definitely yes ◯ Probably not ◯ Don't know
◯ Probably I would ◯ Definitely not

2. **Since entering college have you:**

	YES	NO
Enrolled in honors or advanced courses	Ⓨ	Ⓝ
Joined or been a member of a fraternity or sorority	Ⓨ	Ⓝ
Gotten married	Ⓨ	Ⓝ
Failed a course or class	Ⓨ	Ⓝ
Had a part-time job on campus	Ⓨ	Ⓝ
Had a part-time job off-campus	Ⓨ	Ⓝ
Worked full-time while attending school	Ⓨ	Ⓝ
Participated in a study abroad program	Ⓨ	Ⓝ
Participated in a college internship program	Ⓨ	Ⓝ
Participated in campus protests/demonstrations	Ⓨ	Ⓝ
Been elected to a student office	Ⓨ	Ⓝ
Worked in local/state/national political campaign	Ⓨ	Ⓝ
Taken reading/study skills classes	Ⓨ	Ⓝ
Received career/vocational counseling	Ⓨ	Ⓝ
Received personal/psychological counseling	Ⓨ	Ⓝ
Worked on a professor's research project	Ⓨ	Ⓝ
Participated in intercollegiate sports	Ⓨ	Ⓝ
Taken remedial or developmental courses	Ⓨ	Ⓝ

3. **Your sex:** Male ◯ Female ◯

4. **How much money have you borrowed to help pay for college expenses since you entered college as a freshman?**

From family $
From all other sources (banks, college, etc.) $

5. **Which option listed below best describes your enrollment status for each year you attended college?**

(Mark one in each column)

	YEAR 1	2	3	4
Attended full-time	①	②	③	④
Attended part-time	①	②	③	④
Not enrolled	①	②	③	④

6. **Which option listed below best describes where you lived during each year you attended college?**

(Mark one in each column)

	YEAR 1	2	3	4
With parents or relatives	①	②	③	④
Other private home, apartment, room	①	②	③	④
College dormitory	①	②	③	④
Fraternity or sorority house	①	②	③	④
Other campus student housing	①	②	③	④
Other	①	②	③	④

7. **Since entering college as a freshman, have you taken a leave of absence, withdrawn from school, or transferred to another college? (If more than one applies, mark only the most recent)**

◯ NO ⟶ Please go to question 9 on page 2
◯ Took a leave of absence
◯ Withdrew from school
◯ Transferred before completing my program

} **Please answer Question 8**

8. **How important were each of the reasons listed below in your decision to take a leave of absence, withdraw from school, or transfer?**
(Mark one answer for each reason)

	Very important	Somewhat important	Not important
Wanted to reconsider my goals and interests	Ⓥ	Ⓢ	Ⓝ
Changed my career plans	Ⓥ	Ⓢ	Ⓝ
Wanted practical experience	Ⓥ	Ⓢ	Ⓝ
Didn't feel like I "fit in" at my first college	Ⓥ	Ⓢ	Ⓝ
Was bored with my coursework	Ⓥ	Ⓢ	Ⓝ
Wanted to go to a school with a better academic reputation	Ⓥ	Ⓢ	Ⓝ
Wanted a better social life	Ⓥ	Ⓢ	Ⓝ
Wanted to be closer to home	Ⓥ	Ⓢ	Ⓝ
Had a good job offer	Ⓥ	Ⓢ	Ⓝ
Wasn't doing as well academically as I had expected	Ⓥ	Ⓢ	Ⓝ
Family responsibilities	Ⓥ	Ⓢ	Ⓝ
Tired of being a student	Ⓥ	Ⓢ	Ⓝ
Had money problems and could no longer afford to attend college	Ⓥ	Ⓢ	Ⓝ
Wanted to go to a school that offered a wider selection of courses or more major field choices	Ⓥ	Ⓢ	Ⓝ

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9. Please rate your satisfaction with the college you entered as a freshman on each of the aspects of campus life listed below.

(Mark one in each row)

	Very Satisfied	Satisfied	Dissatisfied	Can't Rate (Don't Know/Not Applicable)
Science and mathematics courses	V	S	D	?
Humanities courses	V	S	D	?
Social science courses	V	S	D	?
Courses in your major field	V	S	D	?
General education requirements	V	S	D	?
Relevance of coursework to everyday life	V	S	D	?
Overall quality of instruction	V	S	D	?
Laboratory facilities and equipment	V	S	D	?
Library facilities	V	S	D	?
Computer facilities	V	S	D	?
Opportunities to take interdisciplinary courses	V	S	D	?
Opportunities to discuss coursework and assignments outside of class with professors	V	S	D	?
Opportunities to participate in extracurricular activities	V	S	D	?
Campus social life	V	S	D	?
Regulations governing campus life	V	S	D	?
Tutorial help or other academic assistance	V	S	D	?
Academic advising	V	S	D	?
Career counseling and advising	V	S	D	?
Student housing	V	S	D	?
Financial aid services	V	S	D	?
Amount of contact with faculty and administrators	V	S	D	?
Overall relationships with faculty and administrators	V	S	D	?
Opportunities to attend films, concerts, etc.	V	S	D	?
Job placement services for students	V	S	D	?
Campus health services	V	S	D	?
Overall college experience	V	S	D	?

10. Rate yourself on each of the following traits as compared with the average person your age. We want the most accurate estimate of how you see yourself.

(Mark one in each row)

	Highest 10%	Above Average	Average	Below Average	Lowest 10%
Academic ability					
Artistic ability					
Competitiveness					
Drive to achieve					
Emotional health					
Ability to learn a foreign language					
Leadership ability					
Mathematical ability					
Physical health					
Popularity					
Popularity with the opposite sex					
Public speaking ability					
Self-confidence (intellectual)					
Self-confidence (social)					
Writing ability					

11. Please mark your probable career/occupation below:

- Accountant or actuary
- Actor or entertainer
- Architect or urban planner
- Artist
- Business (clerical)
- Business executive (management, administrator)
- Business owner or proprietor
- Business salesperson or buyer
- Clergy (minister, priest)
- Clergy (other religious)
- Clinical psychologist
- College teacher
- Computer programmer or analyst
- Conservationist or forester
- Dentist (including orthodontist)
- Dietitian or home economist
- Engineer
- Farmer or rancher
- Foreign service worker (including diplomat)
- Homemaker (full-time)
- Interior decorator (including designer)
- Interpreter (translator)
- Lab technician or hygienist
- Law enforcement officer
- Lawyer (attorney) or judge
- Military service (career)
- Musician (performer, composer)
- Nurse
- Optometrist
- Pharmacist
- Physician
- School counselor
- School principal or superintendent
- Scientific researcher
- Social, welfare or recreation worker
- Statistician
- Therapist (physical, occupational, speech)
- Teacher or administrator (elementary)
- Teacher or administrator (secondary)
- Veterinarian
- Writer or journalist
- Skilled trades
- Other
- Undecided

12. How important are each of the following reasons for your career choice or career preference?

(Mark one in each row)

	Essential	Very Important	Important	Not Important
Job opportunities are generally available	E	V	S	N
I enjoy working with the kind of people involved in this field	E	V	S	N
The work would be interesting	E	V	S	N
This is a well-paying career	E	V	S	N
This choice satisfies my parents' hopes	E	V	S	N
The work would be challenging	E	V	S	N
I feel this enables me to make a contribution to society	E	V	S	N
There are opportunities for rapid career advancement	E	V	S	N
There are opportunities for freedom of action	E	V	S	N

13. During your last year in college, how much time did you spend during a typical week doing the following activities?

(Mark one in each row)

	Hours per week							
	None	Less than 1 hour	1–2	3–5	6–10	11–15	16–20	Over 20
Classes/labs								
Studying/homework								
Socializing with friends								
Talking with faculty outside of class								
Exercising/sports								
Reading for pleasure								
Using a personal computer								
Partying								
Working (for pay)								
Volunteer work								
Student clubs/groups								
Watching TV								
Commuting to campus								
Religious services/ meetings								
Hobbies								

14. What do you plan to be doing in the fall of 1988? (Mark all that apply)

- Attending undergraduate college full-time
- Attending undergraduate college part-time
- Attending graduate or professional school
- Attending a vocational training program
- Working full-time
- Working part-time
- Serving in the Armed Forces
- Traveling, hosteling, or backpacking
- Doing volunteer work
- Staying at home to be with (or start) my family

15. Compared with when you entered college as a freshman, how would you now describe your:

(Mark one for each item)

	Much Stronger	Stronger	No Change	Weaker	Much Weaker
General knowledge	5	4	3	2	1
Analytical and problem-solving skills	5	4	3	2	1
Knowledge of a particular field or discipline	5	4	3	2	1
Ability to think critically	5	4	3	2	1
Ability to speak and write clearly	5	4	3	2	1
Foreign language ability	5	4	3	2	1
Job related skills	5	4	3	2	1
Religious beliefs and convictions	5	4	3	2	1
Interest in pursuing a graduate/professional degree	5	4	3	2	1
Concern about financial security	5	4	3	2	1
Preparation for graduate or professional school	5	4	3	2	1
Leadership abilities	5	4	3	2	1
Ability to work independently	5	4	3	2	1
Interpersonal skills	5	4	3	2	1
Cultural awareness and appreciation	5	4	3	2	1
Commitment to a specific career	5	4	3	2	1
Tolerance of persons with different beliefs	5	4	3	2	1
Acceptance of people from different races/cultures	5	4	3	2	1
Confidence in your academic abilities	5	4	3	2	1
Motivation to earn a college degree	5	4	3	2	1

16. Indicate the importance to you personally of each of the following:

(Mark one for each item)

	Essential	Very Important	Somewhat Important	Not Important
Becoming accomplished in one of the performing arts (acting, dancing, etc.)	E	V	S	N
Becoming an authority in my field	E	V	S	N
Obtaining recognition from my colleagues for contributions to my special field	E	V	S	N
Influencing the political structure	E	V	S	N
Influencing social values	E	V	S	N
Raising a family	E	V	S	N
Having administrative responsibility for the work of others	E	V	S	N
Being very well off financially	E	V	S	N
Helping others who are in difficulty	E	V	S	N
Making a theoretical contribution to science	E	V	S	N
Writing original works (poems, novels, short stories, etc.)	E	V	S	N
Creating artistic work (painting, sculpture, decorating, etc.)	E	V	S	N
Being successful in a business of my own	E	V	S	N
Becoming involved in programs to clean up the environment	E	V	S	N
Developing a meaningful philosophy of life	E	V	S	N
Participating in a community action program	E	V	S	N
Helping to promote racial understanding	E	V	S	N
Becoming an expert on finance and commerce	E	V	S	N
Getting married	E	V	S	N

17. Your current religious preference:
(Mark one)

Baptist	○	Lutheran	○
Buddhist	○	Methodist	○
Congregational	○	Presbyterian	○
Eastern Orthodox	○	Quaker	○
Episcopal	○	Roman Catholic	○
Hindu	○	Seventh Day Adventist	○
Islamic	○	Other Protestant	○
Jewish	○	Other Religion	○
LDS (Mormon)	○	None	○

18. Below is a list of statements about the goals of higher education. In your opinion, how important was each goal at the college you entered as a freshman?

(Mark one in each row)

	Essential	Very Important	Somewhat Important	Not Important
To convey an appreciation of the liberal arts	E	V	S	N
To master knowledge in a discipline	E	V	S	N
To increase students' abilities to undertake self-directed learning	E	V	S	N
To develop the ability to think clearly	E	V	S	N
To develop creative capacities	E	V	S	N
To conduct research	E	V	S	N
To prepare students for employment after college	E	V	S	N
To prepare students for graduate school	E	V	S	N
To develop moral character	E	V	S	N
To develop religious beliefs/convictions	E	V	S	N
To assist students to gain a deeper level of self-understanding	E	V	S	N
To provide for students' emotional development	E	V	S	N
To develop responsible citizens	E	V	S	N
To provide the local community and business with skilled workers	E	V	S	N
To provide students with critical tools for living in a contemporary society	E	V	S	N
To prepare students for family living	E	V	S	N

19. For the activities listed below please indicate how often—Frequently, Occasionally, or Not at all—you engaged in each during the past year.

(Mark one for each item)

	Frequently	Occasionally	Not at all
Jogged	F	O	N
Worked on an independent research project	F	O	N
Took an interdisciplinary course	F	O	N
Discussed course content with students outside of class	F	O	N
Assisted faculty in teaching a course	F	O	N
Worked on group projects in class	F	O	N
Been a guest in a professor's home	F	O	N
Tutored another student	F	O	N
Smoked cigarettes	F	O	N
Been lonely or homesick	F	O	N
Confided in a friend about a personal problem	F	O	N
Felt depressed	F	O	N
Felt overwhelmed by all I had to do	F	O	N
Stayed up all night	F	O	N
Copied homework from another student	F	O	N
Participated in intramural sports	F	O	N
Cheated on a school quiz or exam	F	O	N
Attended a musical recital or concert	F	O	N
Missed classes because of illness	F	O	N
Felt like leaving college	F	O	N
Failed to complete homework on time	F	O	N
Drank beer	F	O	N
Drank wine or liquor	F	O	N

20. Mark the one circle that best describes your undergraduate grade average.

○ A (3.75–4.0)	○ B–, C+ (2.25–2.74)
○ A–, B+ (3.25–3.74)	○ C (1.75–2.24)
○ B (2.75–3.24)	○ C– or less (below 1.75)

21. Below is a list of different undergraduate major fields grouped into general categories. Mark only one circle to indicate your current/last field of study.

ARTS AND HUMANITIES
- Art, fine and applied
- English (language and literature)
- History
- Journalism
- Language and Literature (except English)
- Music
- Philosophy
- Speech
- Theater or Drama
- Theology or Religion
- Other Arts and Humanities

BIOLOGICAL SCIENCE
- Biology (general)
- Biochemistry or Biophysics
- Botany
- Marine (Life) Science
- Microbiology or Bacteriology
- Zoology
- Other Biological Science

BUSINESS
- Accounting
- Business Administration (general)
- Finance
- Marketing
- Management
- Secretarial Studies
- Other Business

EDUCATION
- Business Education
- Elementary Education
- Music or Art Education
- Physical Education or Recreation
- Secondary Education
- Special Education
- Other Education

ENGINEERING
- Aeronautical or Astronautical Engineering
- Civil Engineering
- Chemical Engineering
- Electrical or Electronic Engineering
- Industrial Engineering
- Mechanical Engineering
- Other Engineering

PHYSICAL SCIENCE
- Astronomy
- Atmospheric Science (incl. Meteorology)
- Chemistry
- Earth Science
- Marine Science (incl. Oceanography)
- Mathematics
- Physics
- Statistics
- Other Physical Science

PROFESSIONAL
- Architecture or Urban Planning
- Home Economics
- Health Technology (medical, dental, laboratory)
- Library/Archival Science
- Nursing
- Pharmacy
- Predental, Premedicine, Preveterinary
- Therapy (occupational, physical, speech)
- Other Professional

SOCIAL SCIENCE
- Anthropology
- Economics
- Ethnic Studies
- Geography
- Political Science (gov't, international relations)
- Psychology
- Social Work
- Sociology
- Women's Studies
- Other Social Science

TECHNICAL
- Building Trades
- Data Processing or Computer Programming
- Drafting or Design
- Electronics
- Mechanics
- Other Technical

OTHER FIELDS
- Agriculture
- Communications (radio, TV, etc.)
- Computer Science
- Forestry
- Law Enforcement
- Military Science
- Other Field
- Undecided

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22. Please indicate your agreement with each of the following statements. (Mark one in each row)

	Agree Strongly	Agree Somewhat	Disagree Somewhat	Disagree Strongly
The Federal government is not doing enough to promote disarmament	4	3	2	1
Federal military spending should be increased	4	3	2	1
The Federal government should raise taxes to help reduce the deficit	4	3	2	1
Grading in colleges has become too easy	4	3	2	1
Faculty promotions should be based in part on student evaluations	4	3	2	1
If two people really like each other, it's all right for them to have sex even if they've known each other for only a very short time	4	3	2	1
College officials have the right to regulate student behavior off-campus	4	3	2	1
Colleges should not invest funds in companies that do business with South Africa	4	3	2	1
The activities of married women are best confined to the home and family	4	3	2	1
The chief benefit of a college education is that it increases one's earning power	4	3	2	1
Busing is O.K. if it helps to achieve racial balance in the schools	4	3	2	1
It is important to have laws prohibiting homosexual relationships	4	3	2	1
A national health care plan is needed to cover everybody's medical costs	4	3	2	1
A couple should live together for some time before deciding to get married	4	3	2	1
Marijuana should be legalized	4	3	2	1
Abortion should be legalized	4	3	2	1
Employers should be allowed to require drug testing of employees or job applicants	4	3	2	1
The best way to control AIDS is through widespread mandatory testing	4	3	2	1

23. How would you characterize your political views? (Mark one)
- Far left
- Liberal
- Middle-of-the-road
- Conservative
- Far right

24. Please indicate (A) the highest degree you have earned as of June 1988 and (B) the highest degree you plan to complete.

(Mark one in each column)

	Highest Degree Earned (A)	Highest Degree Planned (B)
None	A	B
Vocational certificate	A	B
Associate (A.A. or equivalent)	A	B
Bachelor's degree (BA, BS, etc.)	A	B
Master's degree (MA, MS, etc.)	A	B
Ph.D. or Ed.D.	A	B
MD, D.O., DDS, or D.V.M.	A	B
LL.B. or J.D. (Law)	A	B
B.D. or M.DIV. (Divinity)	A	B
Other	A	B

The Higher Education Research Institute at UCLA actively encourages the colleges that participate in this survey to conduct local studies of their students. If these studies involve collecting follow-up data, it is necessary for the institution to know the students' ID numbers so that follow-up data can be linked with the data from this survey. If your college asks for a tape copy of the data and signs an agreement to use it only for research purposes, do we have your permission to include your ID number in such a tape?

Yes No

25. PLEASE PROVIDE YOUR SOCIAL SECURITY NO.

0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

ADDITIONAL QUESTIONS:

If you received an additional page of questions, please mark your answers below. Find the number of the question and fill in the circle of your answer.

26.	A	B	C	D	E
27.	A	B	C	D	E
28.	A	B	C	D	E
29.	A	B	C	D	E
30.	A	B	C	D	E
31.	A	B	C	D	E
32.	A	B	C	D	E
33.	A	B	C	D	E
34.	A	B	C	D	E
35.	A	B	C	D	E
36.	A	B	C	D	E
37.	A	B	C	D	E
38.	A	B	C	D	E
39.	A	B	C	D	E
40.	A	B	C	D	E
41.	A	B	C	D	E
42.	A	B	C	D	E
43.	A	B	C	D	E
44.	A	B	C	D	E
45.	A	B	C	D	E

THANK YOU!

Please return your completed questionnaire in the postage-paid envelope to:

Higher Education Research Institute
2510 N. Dodge St.
Iowa City, IA 52240

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Appendix D

Response Codes for Career and Major Field Choice

Student's Probable Major

Collapsed Category	Item Response Alternatives
Agriculture	Agriculture; Forestry.
Biological Sciences	Biology (general); Biochemistry/biophysics; Botany; Marine (life) science; Microbiology/bacteriology; Zoology; Other.
Business	Accounting; Business administration (general); Finance; Marketing; Management; Secretarial studies; Other business.
Education	Business; Elementary. Music or Art; Physical Education or Recreation; Secondary; Special; Other.
Engineering	Aero-or astronautical; Civil; Chemical; Electrical or Electronic; Industrial; Mechanical; Other.
English	English (language or literature).
Health Professional	Nursing; Pharmacy; Premed, Predent, Prevet; Therapy (physical, occupational, speech).
History/Political Science	History; Political Science.
Humanities (Other)	Language (except English); Philosophy; Theater or drama; Theology or religion; Other arts or humanities.
Fine Arts	Art, fine & applied; Music; Speech; Architecture/urban planning.
Mathematics/Statistics	Mathematics; Statistics.
Physical Sciences	Astronomy; Atmospheric science; Chemistry; Earth science; Marine science; Physics; Other physical sciences.
Social Sciences	Anthropology; Economics; Ethnic Studies, Geography; Psychology; Social work; Sociology; Women's studies; Other social sciences.
Other Technical	Health technology; Data processing/computer programming; Drafting or design; Electronics; Mechanics, Other technical; Computer science.
Other Non-Technical	Journalism; Home economics; Library/archival science; Other professional; Building trades; Communications; Law enforcement; Military science; Other field.

Student's Probable Career

Collapsed Category	Item Response Alternatives
Artist	Actor or entertainer; Artist; Interior decorator; Musician (performer, composer); Writer or journalist.
Business	Accountant or actuary; Business (management); Business owner or proprietor; Business sales rep or buyer.
Clergy	Clergy (minister, priest); clergy (other religious).
College Teacher	College teacher.
Doctor (MD or DDS)	Dentist (including orthodontist); Physician.
Education (secondary)	School counselor; School principal; Teacher (secondary).
Engineer	Engineer.
Farmer or Forester	Conservationist or forester.
Health Professional	Dietitian or home economist; Lab technician or hygienist; Optometrist; Pharmacist; Therapist (physical, occupational, speech); Veterinarian.
Lawyer	Lawyer.
Nurse	Nurse.
Research Scientist	
Other	Architect; Clinical psychologist; Computer programmer; Foreign service worker; Homemaker; Law enforcement officer; Military service (career); Social worker; Statistician; Skilled trades; Other.
Undecided	Undecided.

Higher Education Research Institute/CIRP

Current Publications List

July, 1990

The American College Student, 1988 (15.00)
National Normative Data for 1984 and 1986 Freshmen. Provides information on the college student experience two and four years after college entry. Student satisfaction, talent development, student involvement, changing values and career choice, and retention are highlighted along with normative data from student responses to the Follow-up Survey of 1988. August, 1990/210 pages

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(19.00) _____ Sold Out
Provides trend data for entering freshmen classes on selected items of the CIRP survey from 1966-1985. The report highlights academic skills and preparation, demographic trends, high school activities and experiences, education and career plans, and student attitudes and values. January, 1987/140 pages.

The American Freshman: Twenty-Five Year Trends
Forthcoming, Spring 1991

The Black Undergraduate (8.00)
Current Status and Trends in the Characteristics of Freshman
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Year	Price	Year	Price
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_____an institutional check
_____an institutional purchase order

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